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WATER QUALITY DATA  
ONTARIO LAKES AND STREAMS  
1987  
  
VOLUME XXIII  
  
SOUTHEASTERN REGION

FEBRUARY 1991



Ontario

Environment  
Environnement



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WATER QUALITY DATA FOR ONTARIO LAKES AND STREAMS

1987

VOLUME XXIII

SOUTHEASTERN REGION

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FEBRUARY 1991



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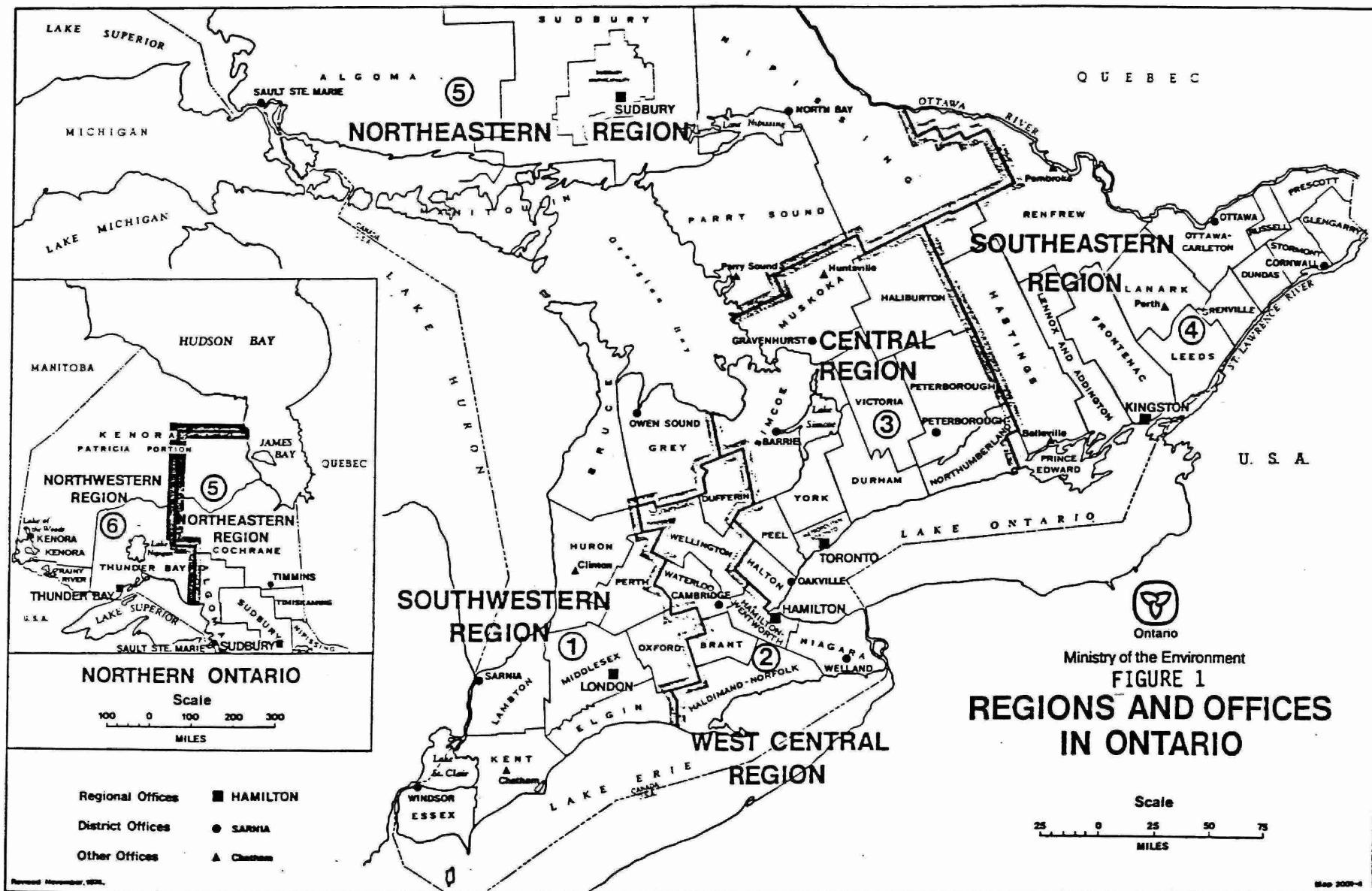
## INTRODUCTION

"Water Quality Data Ontario Lakes and Streams, 1984, Volume XX, Southeastern Region", is an ongoing series, published by the Water Resources Branch of the Ontario Ministry of the Environment. The data presented in this publication were collected by the Water Resources Assessment Units of this Ministry's six Regional Offices (Figure 1) with the assistance of local Conservation Authorities. The information provided in this publication is compiled and published by the Watershed Management Section of the Water Resources Branch. The data result from a routine sampling program designed to provide a long-term record of the water quality information at specific points on rivers and inland lakes in Ontario.

Sampling station locations have been selected to meet one or more of the following requirements: (1) to measure quantitatively and qualitatively the materials discharged from tributary streams to the terminal basins; (2) to monitor the effects of wastewater discharges on a watercourse; (3) to provide data that can be considered generally representative of water quality conditions in a certain area.

The information is used by the Ontario Ministry of the Environment to maintain surveillance over water quality and to provide supporting data used in the analysis and prediction of water quality for planning and other purposes. The data are also made available to any person or agency concerned with the quality of Ontario's rivers and lakes. The booklet "Water Management Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment", 1978 (Revised May, 1984) outlines the current policies for water management in Ontario.

Samples are analysed for some or all of the following parameters: counts of total and fecal coliforms, enterococci, *Pseudomonas aeruginosa* and *Escherichia coli* forms, concentrations of biochemical oxygen demand, total phosphorus, filtered reactive phosphate, filtered ammonia, total Kjeldahl



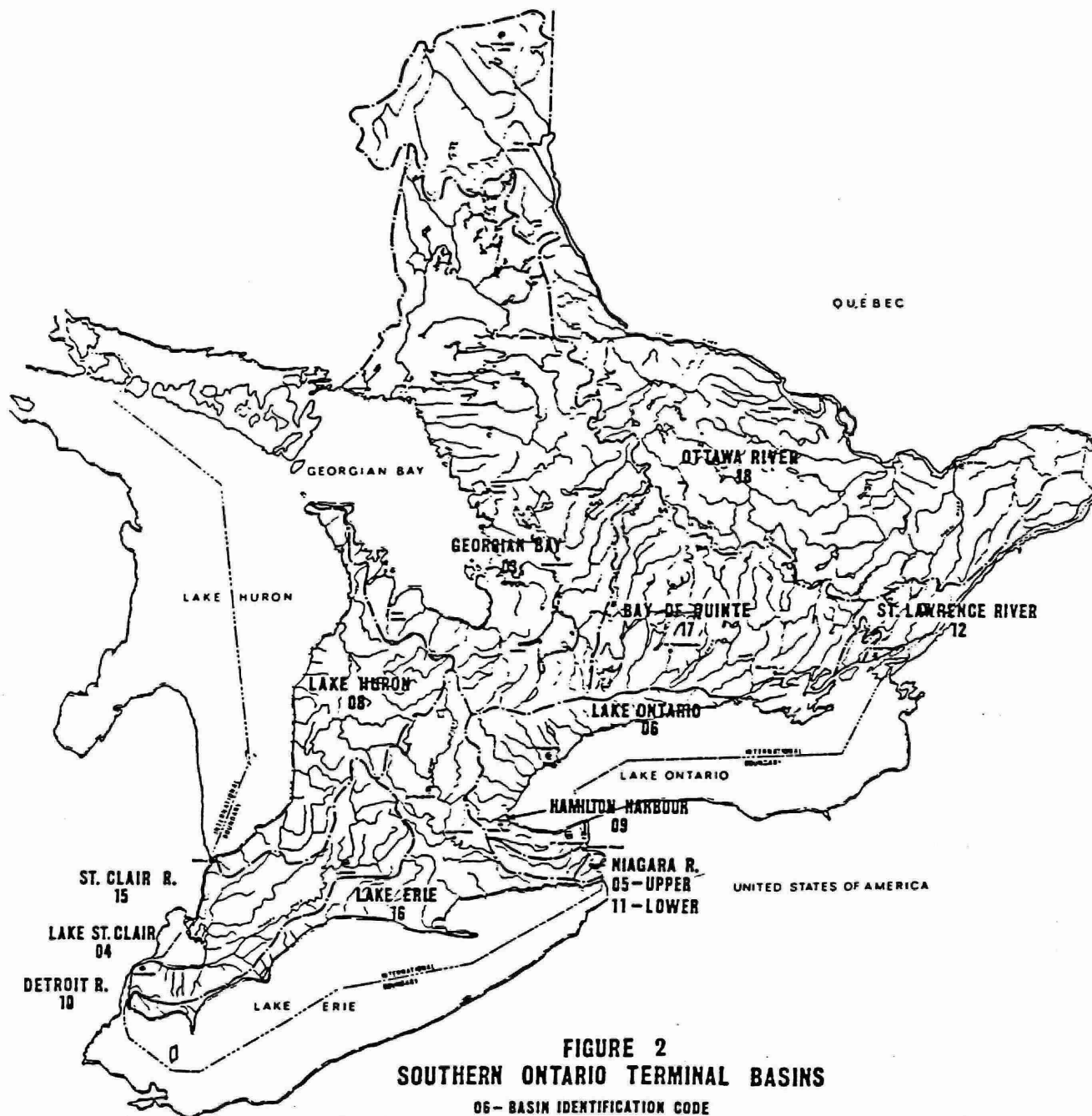
nitrogen, filtered nitrite and nitrate forms of nitrogen; total suspended and dissolved solids; levels of conductivity and turbidity; concentrations of chlorides, sulphates, unfiltered reactive silicates, acidity, alkalinity; units of pH; concentrations of total iron, phenols, hardness, calcium, magnesium; units of colour; concentrations of potassium, sodium, total organic carbon, chemical oxygen demand, solvent extractables, arsenic, mercury, aluminium, chromium, copper, lead, cadmium, zinc, manganese, nickel, fluoride, cyanide and cobalt.

In addition, radiochemical analyses are conducted on selected samples and the results are expressed as levels of ionizing radiation (i.e. the number of nuclear disintegrations per second). Selected samples are analysed for some or all of the following radiochemical parameters: gross alpha, gross beta, radium-226, total uranium, cesium-137, cesium-134, cobalt-60, tritium and iodine 131.

Some samples are also analysed for some or all of the following synthetic organic parameters: concentrations of PCB, PCP and 2,4,5-T.

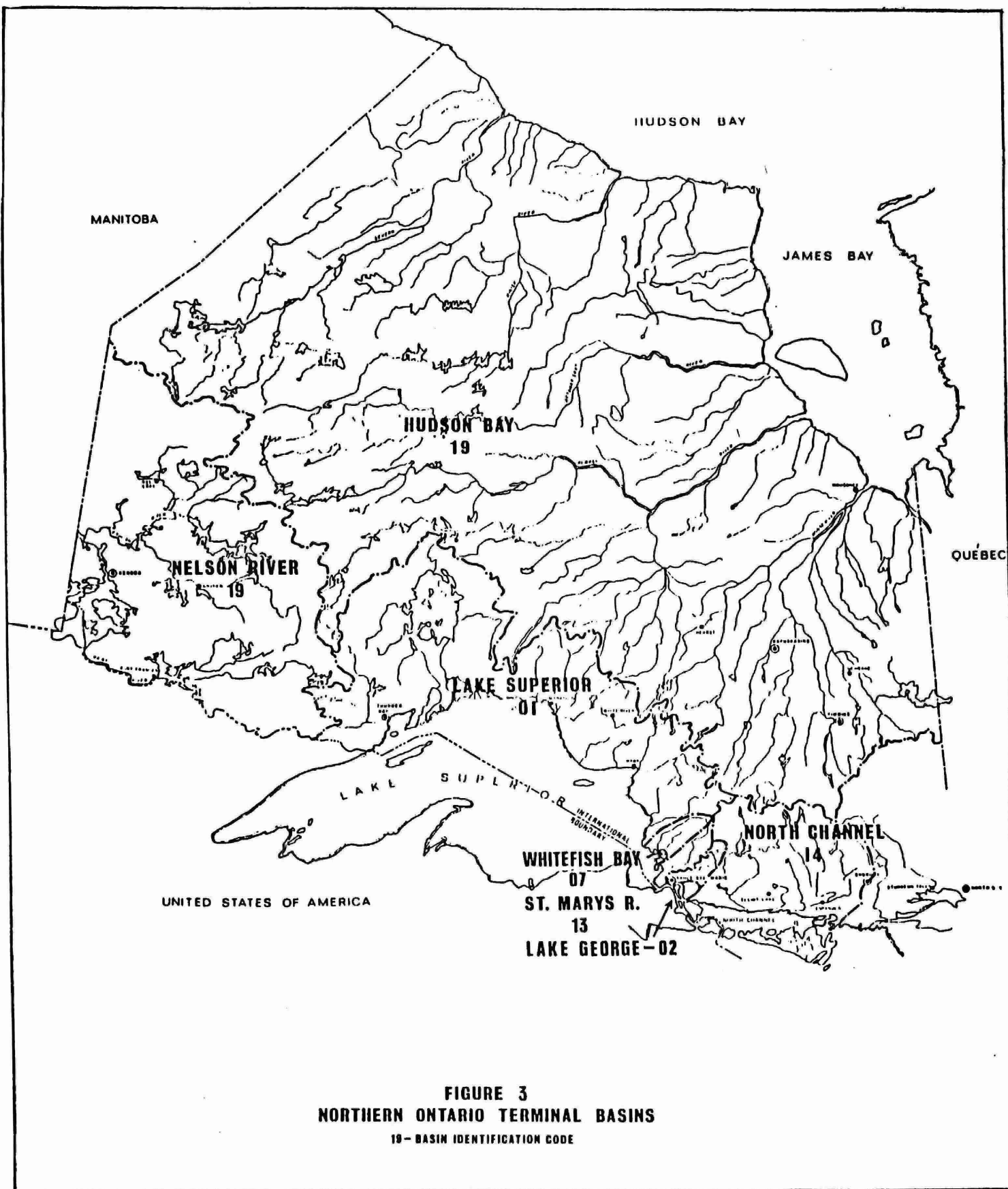
The water quality monitoring program commenced in July 1964 in Southern Ontario and currently consists of a total of 763 stations throughout Ontario. The following maps (figures 2 and 3) show the Southern and Northern Ontario Terminal Basins which are used to identify the sampling station locations. Definitions or brief descriptions are provided for the more common parameters of pollution under the section entitled Interpretation of Data.

Other water quality monitoring programs such as the Sport Fish Contaminant Monitoring Program which is co-ordinated by the Ontario Ministries of Natural Resources, Environment and Labour are not discussed in this publication. A summary of health implications of contaminants in fish with a listing of test results from each fish sampling location can be found in the Ministry publication, "Guide to Eating Ontario Sport Fish." This publication is updated annually and is available free of charge from the Ministry of the Environment, Water Resources Branch, 135 St. Clair Avenue West, Toronto, Ontario, M4V 1P5, telephone (416) 323-4994.



**FIGURE 2**  
**SOUTHERN ONTARIO TERMINAL BASINS**  
 06 - BASIN IDENTIFICATION CODE





The streamflow station network in Ontario is not discussed in this publication. Whenever streamflow data exists at tributary locations which are coincident with the water quality monitoring station locations, data on mean daily discharges are reported along with the water quality data. The collection of hydrometric data in Ontario has been carried out under a Memorandum of Agreement between the Government of Canada and the Province of Ontario since April, 1975. The Province of Ontario is represented in the Agreement by the Ministry of the Environment, the Ministry of Natural Resources and Ontario Hydro. These agencies meet at regular intervals with the Water Survey of Canada to administer the Agreement. Streamflow data for Ontario are published annually as surface water data by the Federal Government.

#### NETWORK MAP SHEETS

Individual station locations are identified on specially prepared network maps. These network maps have been drawn to conform approximately to the boundaries of the Ministry's Regions, and are grouped according to Regions. Two index maps (Figures 4 and 5) illustrate individual map sheet coverages within the Province.

The following procedures were used in the preparation of the maps. Individual base maps within a Region were assembled using the National Topographic Series maps at a scale of 1:250,000. In northern Ontario, this was reduced to a scale of 1:500,000 in the Lake Superior and Nelson River basins, and to a scale of 1:2,000,000 in the Hudson Bay basin. For each base map, an overlay of the river systems was prepared, showing major watershed and Ministry of the Environment Regional boundaries. Numeric terminal basin and stream codes were added, and active water quality monitoring stations were located on each overlay and referenced with station numbers. The overlays were then reduced to approximately 40% of their original size for purposes of this publication.

The previously-mentioned terminal basin and stream code, when combined in sequence with a given station number, together form a unique station identifier which appears as the "Station ID". The "Station ID" is listed for all active monitoring stations within the region in the "Sampling Station Directory", an alphabetical listing of terminal streams monitored in Southeastern Region (See Sampling Station Directory).

The location of stations in the Southeastern Region are shown in figures 6, 7, 8 and 9. The locations of the other stations in the other regions and in other parts of Ontario such as those located on the Great Lakes or those operated by the Water Quality Branch, Ontario Region, Environment Canada, are not included.

## **INTERPRETATION OF DATA**

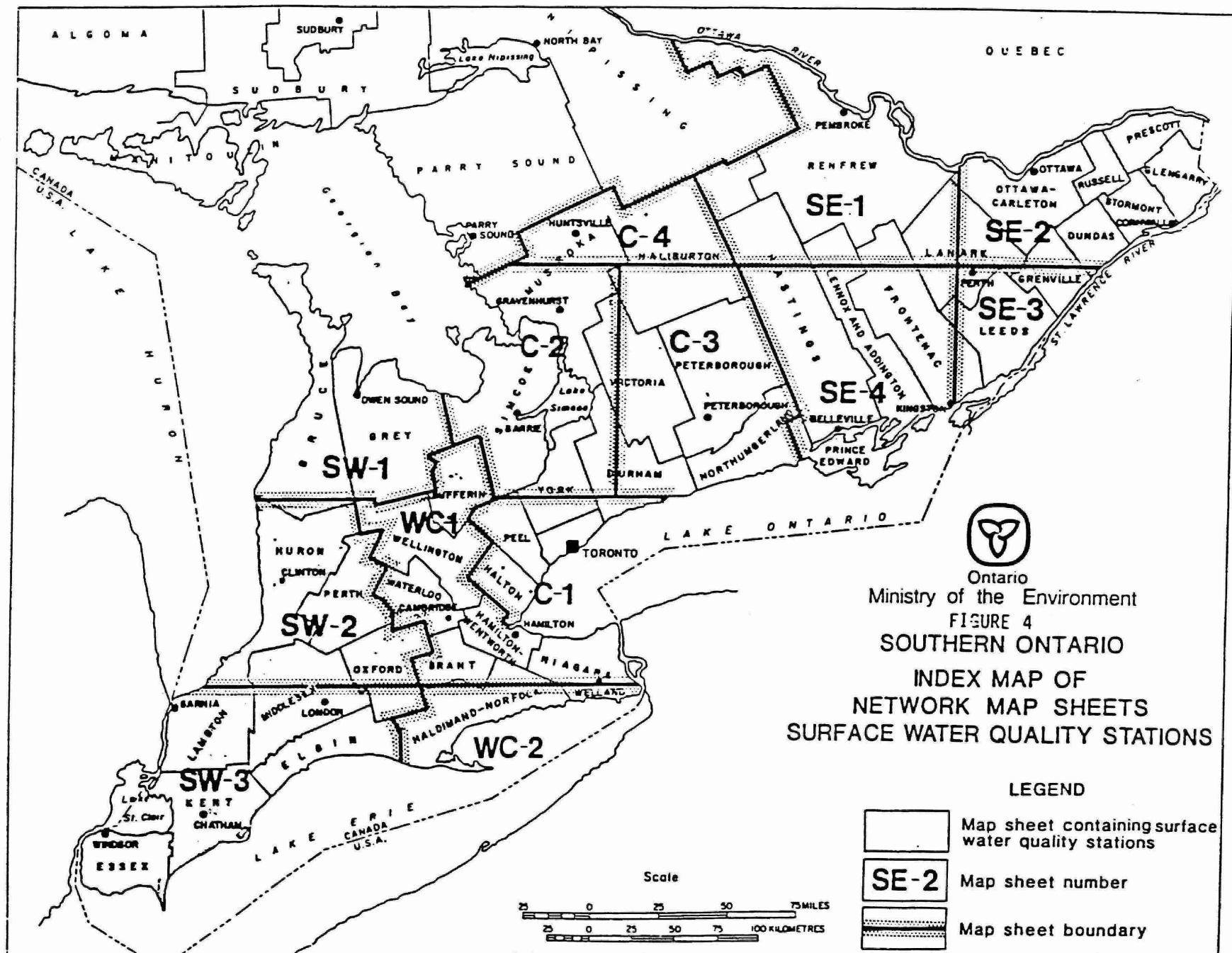
The definition of the parameters measured in the Provincial Water Quality Monitoring Program are listed in the following pages. The significance of each measurement in regard to specific water uses can be determined by referring to the booklet "Water Management, Goals, Policies, Objectives and Implementation Procedures of the Ministry of the Environment, November, 1978". (Revised, May 1984).

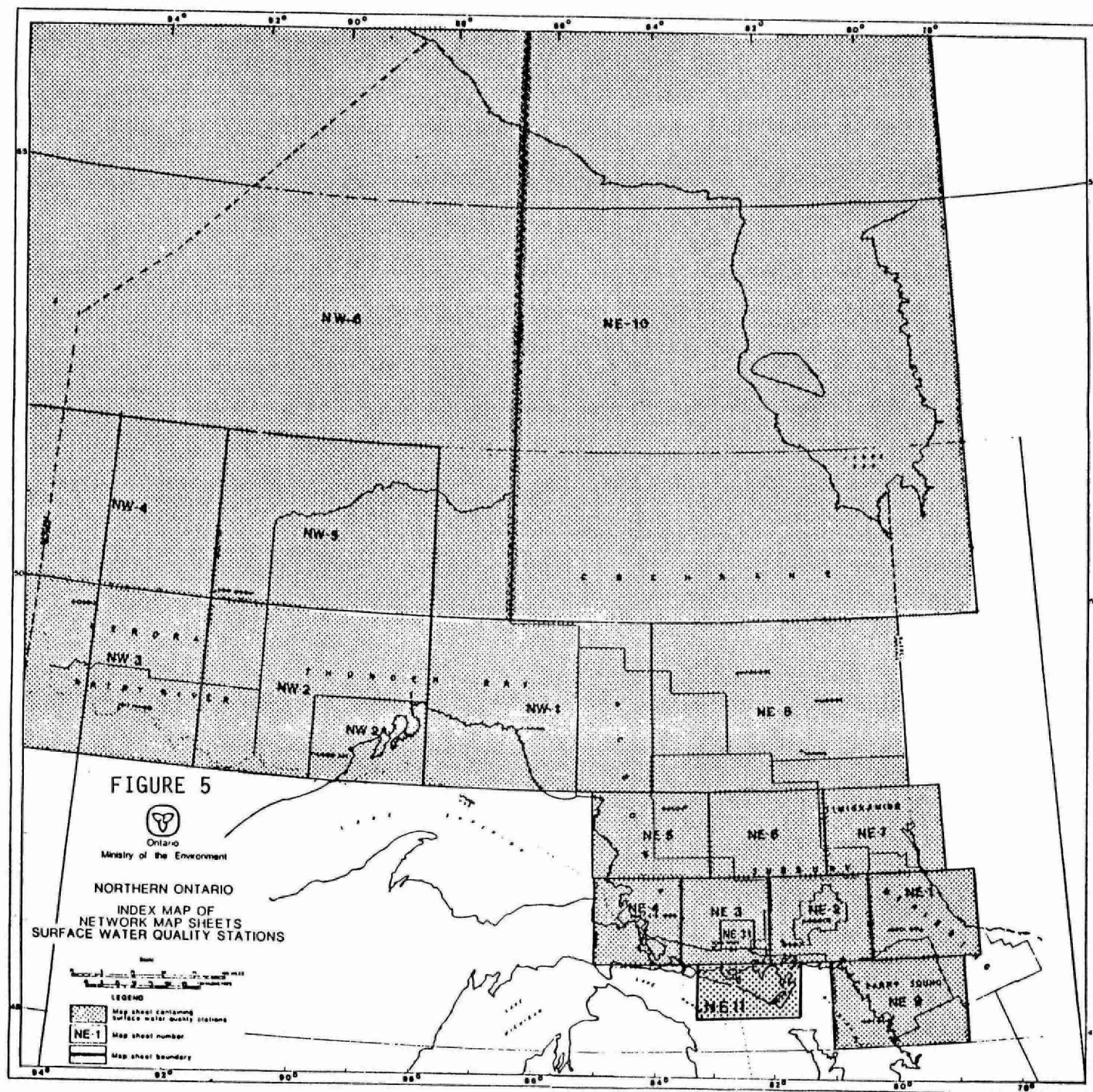
### **A. ANALYSES AND MEASUREMENTS CONDUCTED AT THE SAMPLING SITE**

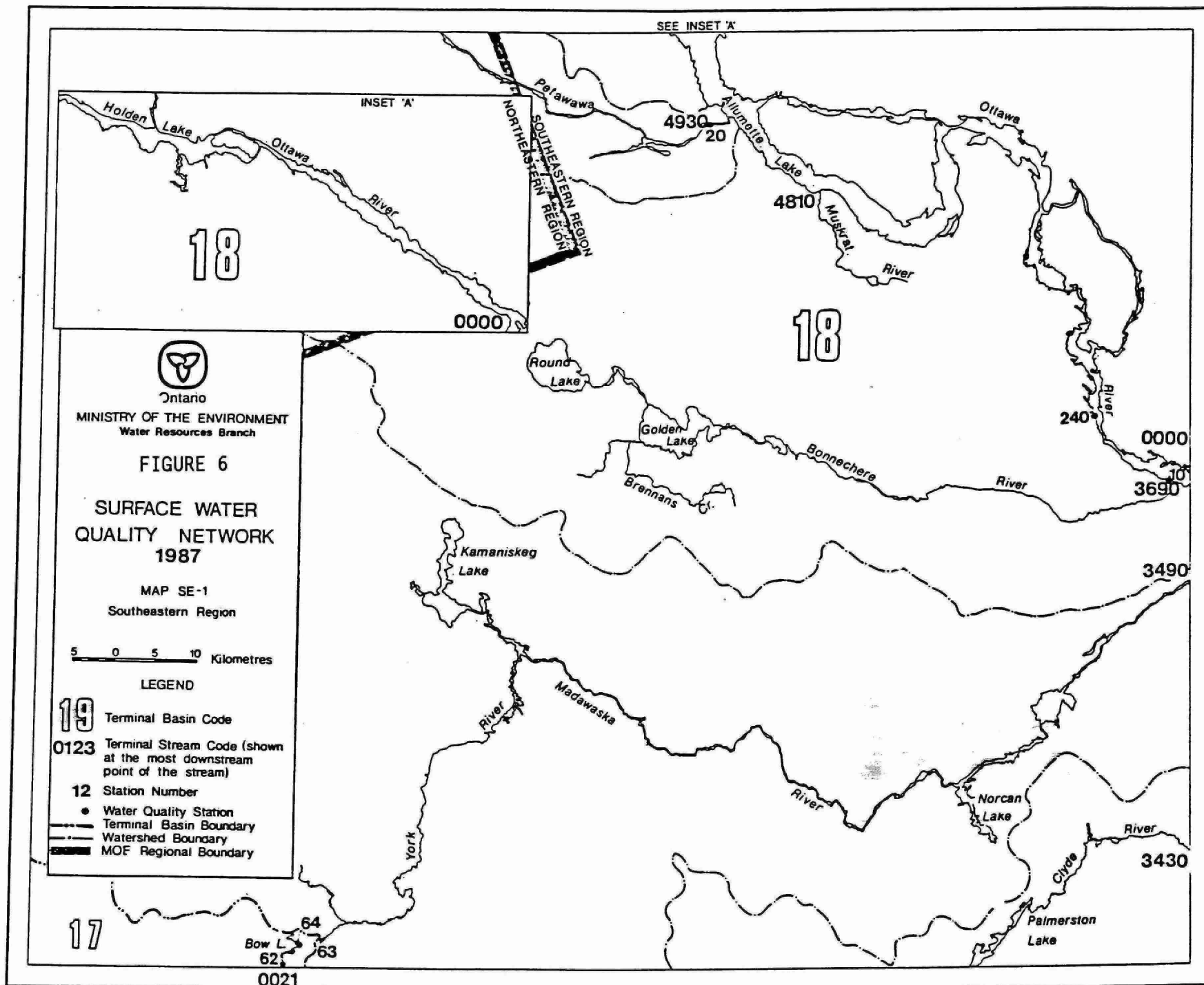
#### **Stream Condition**

The physical condition of the body of water is described from an on-site examination at the time of sampling and is represented by a one-digit number from one to zero as follows:

1. Stream dry
2. Frozen to stream bed
3. Stream in flood condition
4. Sampled through ice











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Water Resources Branch

## FIGURE 7

### SURFACE WATER QUALITY NETWORK 1987

MAP SE-2

Southeastern Region

5 0 5 10 Kilometres

#### LEGEND

19

Terminal Basin Code

0123

Terminal Stream Code (shown  
at the most downstream  
point of the stream)

12

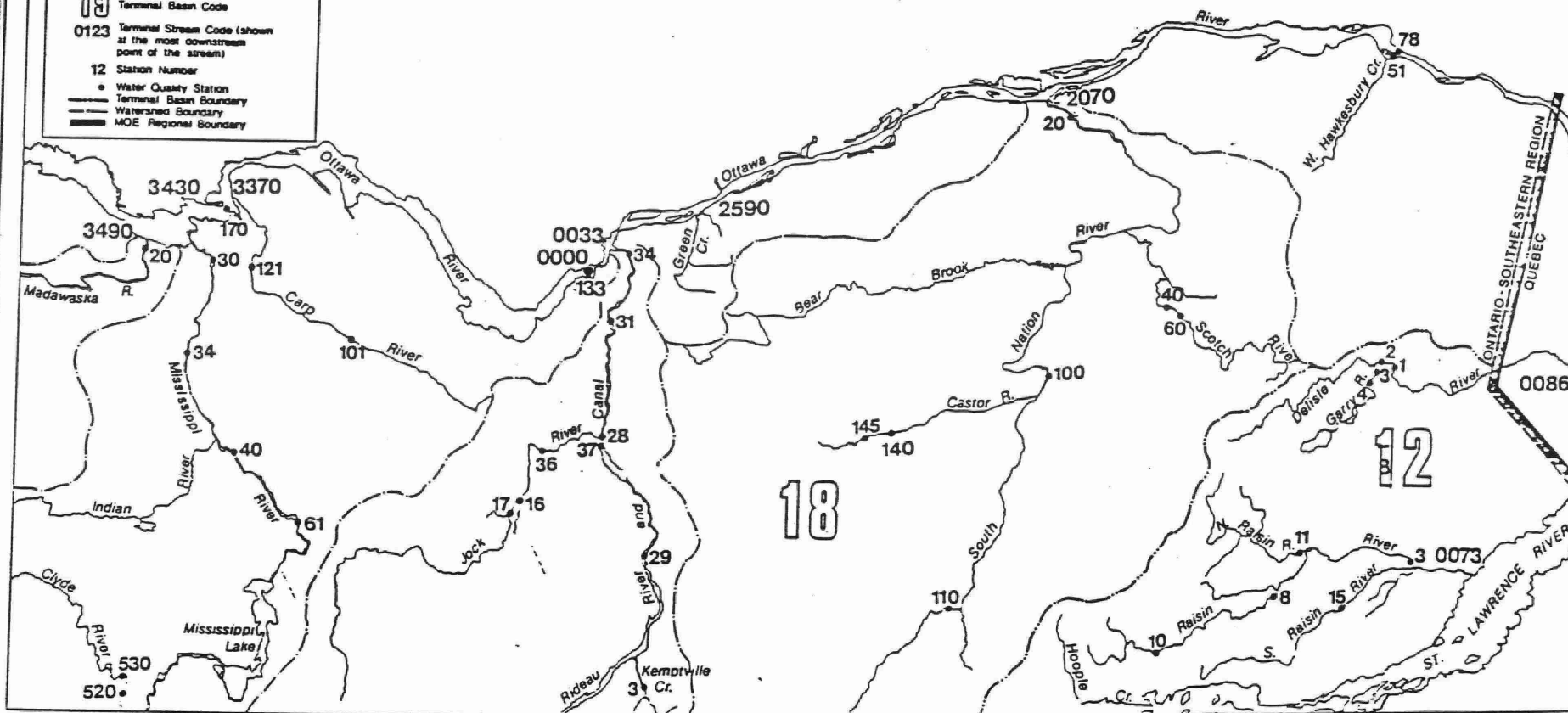
Station Number

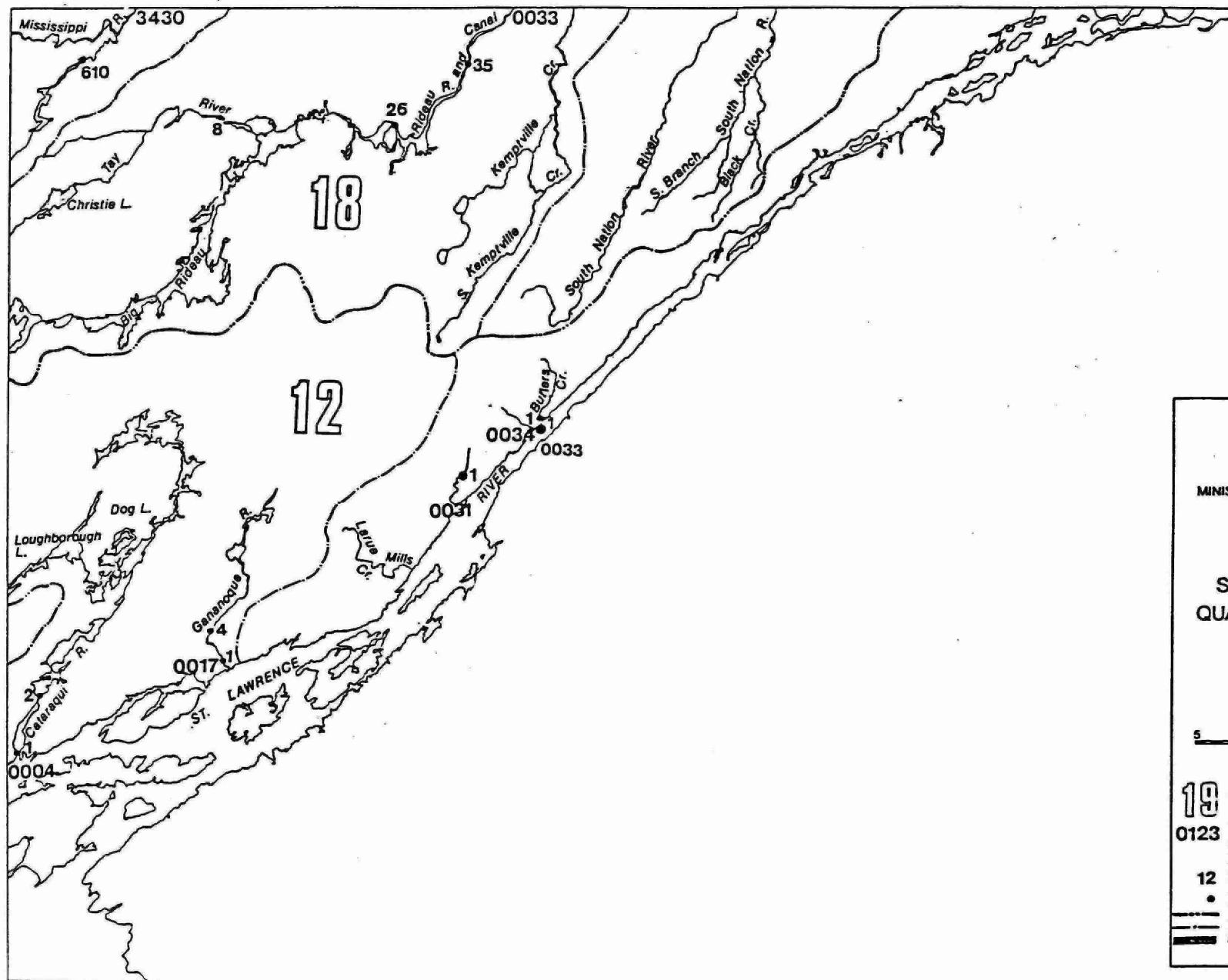
• Water Quality Station

Terminal Basin Boundary

Watershed Boundary

MOE Regional Boundary





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FIGURE 8

SURFACE WATER  
QUALITY NETWORK  
1987

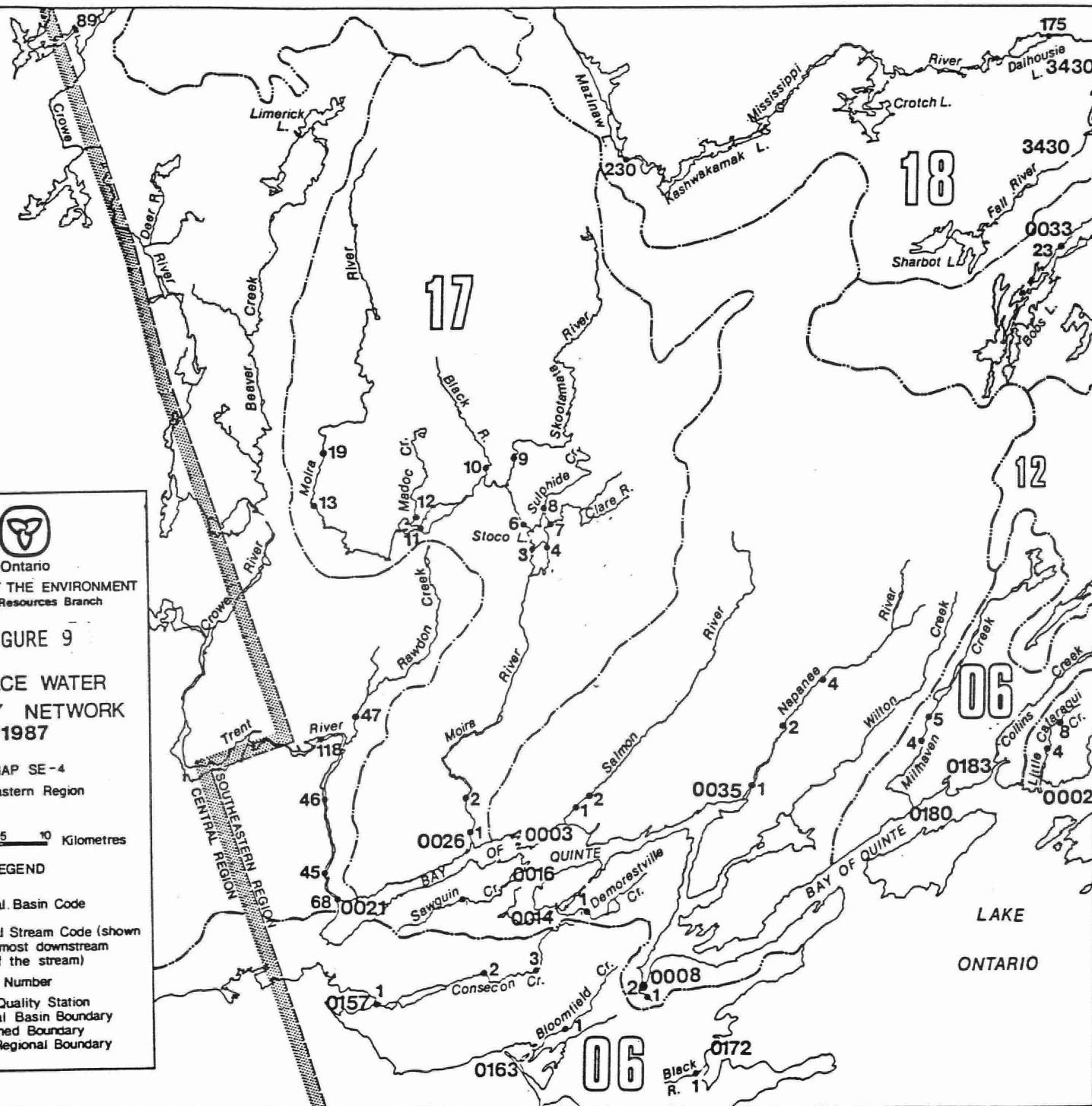
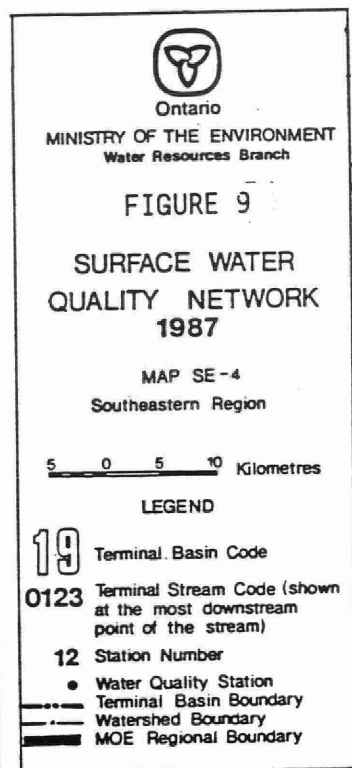
MAP SE-3  
Southeastern Region

5 0 5 10 Kilometres

LEGEND

- 18** Terminal Basin Code
- 0123** Terminal Stream Code (shown at the most downstream point of the stream)
- 12** Station Number
- Water Quality Station
- Terminal Basin Boundary
- Watershed Boundary
- MOE Regional Boundary





5. Suspended algae
6. No apparent algae
7. Profuse weed growth
8. Normal
9. Oil scum or floating matter
0. Objectionable odours

Under some circumstances a combination of up to three of the above conditions may be shown for a given sample at an individual station.

### **Streamflow**

Streamflow information at or near a water quality monitoring site is an important factor when interpreting and employing water quality data. The product of streamflow and concentration defines the mass of material passing a point. Streamflow is also a useful reference when comparing water quality data for different periods of the year (e.g., spring flood versus summer drought).

Flows in many of the streams sampled are measured by the Water Survey of Canada, Inland Waters Directorate, Environment Canada.

### **Temperature**

Water temperature is an important factor when a number of water quality parameters are being evaluated. Temperature directly affects the solubility of gases (e.g., dissolved oxygen) and significantly affects biological and chemical reaction rates.

Temperature is measured at the sampling site with an electronic thermistor or a mercury thermometer.

## **Dissolved Oxygen**

Dissolved oxygen in water originates directly from the atmosphere or through photosynthesis in aquatic plants. Ample dissolved oxygen is necessary to maintain satisfactory conditions for fish and other biological life in water. Organic wastes and some inorganic materials exert, upon decomposition, an oxygen demand which may deplete the dissolved oxygen below levels required by aquatic life.

Dissolved oxygen is measured at the sampling site with an electronic meter or by a chemical titration.

## **B. ANALYSES AND MEASUREMENTS CONDUCTED AT THE LABORATORY**

### **1. MICROBIOLOGICAL ANALYSES**

#### **Total Coliform**

The Membrane Filter (MF) technique is used to obtain an approximation of the concentration of total coliform organisms. These organisms are normal inhabitants of soils and the intestines of man and other warm-blooded animals. They are always present in large numbers in sewage and fecal matter, and are often found in watercourses adjacent to industrial, agricultural and other pollution sources.

Results are reported as MF count per 100 mL of sample.

#### **Background Count**

The background count estimates the number of organisms, other than coliforms, that occur in the total coliform analysis of a sample. The results are used in the interpretation of total coliform counts. High background counts are generally indicative of poor water quality.

### Fecal Coliform and Fecal Streptococcus (Enterococcus) Organisms

Fecal coliform and Enterococcus organisms are generally found in the alimentary tract of warm-blooded animals. They are indicative of sanitary waste intrusion and/or fecal contamination from warm-blooded animals.

### Pseudomonas aeruginosa

Pseudomonas aeruginosa are pathogens found in sewage that can be readily isolated. These organisms are sometimes found in bathing waters and are the major pathological agent in otitis externa (earaches) and skin infections.

### Escherichia Coliform (E. Coli)

E. Coli is the predominant, facultative bacterial species in the large bowel and is thus the coliform most directly related to fecal pollution. E. Coli is occasionally pathogenic to man (e.g., urinary tract infections) but is primarily an indicator organism in water bacteriology.

## 2. CHEMICAL AND PHYSICAL ANALYSES

### Biochemical Oxygen Demand (BOD)

In itself, BOD is not a pollutant and presents no direct harm to the aquatic environment. It is, however, a measure of the unstable organic matter present in water which, through aerobic decomposition, oxidizes to a stable inorganic form utilizing the oxygen resources of a watercourse. The level of BOD is an important parameter in assessing the potential concentrations of dissolved oxygen in water.

Five-day biochemical oxygen demand (BOD<sub>5</sub>) is a laboratory measurement of the amount of oxygen consumed in a sample incubated for five days at 20°C.

### **Total Phosphorus**

Phosphorus is a primary nutrient for plant and animal life and like nitrogen passes through cycles of decomposition and photosynthesis. This element is commonly found in nature in the form of inorganic phosphates and organically bound phosphorus. Total phosphorus includes orthophosphate, condensed phosphates and organically bound phosphorus in both the dissolved and particulate form. Untreated or treated sewage, some industrial wastes and agricultural and urban drainage contain significant concentrations of phosphorus.

Although there is no firm criterion for phosphorus, it is generally considered that to eliminate excessive plant growths in rivers and streams, total phosphorus should not exceed 0.03 mg/L. To avoid nuisance concentrations of algae in lakes, average total phosphorus concentrations for the ice-free period should not exceed 0.02 mg/L.

### **Filtered Reactive Phosphate**

Filtered reactive phosphate is that phosphorus which passes through a 1-2 micrometre filter and responds to a colorimetric orthophosphate determination. It is a combination of simple orthophosphate and readily hydrolyzed phosphate primarily in the dissolved form.

Filtered reactive phosphate is generally considered to be readily available for aquatic plant growth.

### **Filtered Ammonia Nitrogen**

Filtered ammonia nitrogen (ammonia  $\text{NH}_3$  and ammonium  $\text{NH}_4^+$ ) is the soluble product in the anaerobic decomposition of nitrogenous organic matter. It is also formed when nitrites and nitrates are reduced either biologically or chemically. Small amounts of ammonia nitrogen may be taken out of the atmosphere by rain water.

### **Total Kjeldahl Nitrogen**

Total Kjeldahl nitrogen is a measure of the total nitrogenous matter present, excluding nitrate and nitrite. The total Kjeldahl nitrogen concentration, less the ammonia nitrogen concentration, gives a measure of the organic nitrogen present.

Ammonia and organic nitrogen are important in assessing the availability of nitrogen for biochemical utilization.

### **Filtered Nitrite**

Nitrite is an intermediate oxidation product of ammonia and also an intermediate form in the denitrification process from nitrate to nitrogen gas. The significance of nitrites, therefore, varies with their amount, source and relation to other constituents of samples (notably the relative magnitude of ammonia and nitrate present).

Since nitrite is rapidly and easily converted to nitrate, its presence in concentrations greater than a few micrograms per litre is generally indicative of active biological processes in the water.

### **Filtered Nitrate**

Nitrate is the end product of the stabilization of organic nitrogen which occurs primarily through aerobic biochemical processes. Nitrate is usually found in polluted waters that have undergone some degree of self-purification. Nitrates can also occur in watercourses intercepting drainage from fertilized agricultural areas.

Nitrogen in the form of nitrate is readily utilized by aquatic plants and algae.

### **Inorganic Nitrogen**

Inorganic nitrogen is a calculated value and represents the sum of the concentrations of filtered ammonia nitrogen and filtered (nitrate plus nitrite) nitrogen.

### **Organic Nitrogen**

Organic nitrogen is a calculated value and represents the difference between the concentrations of total Kjeldahl nitrogen and filtered ammonia nitrogen.

### **Total Nitrogen**

Total nitrogen is a calculated value and represents the sum of the concentrations of total Kjeldahl nitrogen and filtered (nitrate plus nitrite) nitrogen. Nitrogen is a common constituent of decomposition products, treated sewage, fertilizers and industrial discharges. Nitrogen compounds are present in most plant and animal materials.

### **Solids**

Total solids, suspended and dissolved solids are presented as separate parameters in this report. The solids analyses are gross measurements of the amounts of particulate matter and dissolved materials found in water. Solids enter the watercourse from virtually every source, the most familiar being sewage treatment plant effluents, municipal storm drainage, industrial discharges and soil erosion.

Solids significantly affect water uses. Highly turbid water is undesirable for municipal and industrial supply, fish and aquatic life, recreation and aesthetics. Suspended solids can also transport significant quantities of organic and inorganic trace contaminants.

## **Conductivity**

The conductivity test provides a measure of the electrolytic properties of water. The presence of dissolved ions (in solution) such as chlorides, sulphates and calcium, renders water conductive. Conductance, the reciprocal of resistance, is recorded in the unit mho and in order to avoid inconvenient decimals, data are reported in micromhos per cubic centimetre. In many waters there is a direct linear relationship between dissolved solids concentrations and conductivity.

Conductivity serves as a control parameter and is an excellent indicator of water-quality changes since it is relatively sensitive to variations in dissolved-solids concentrations.

## **Turbidity**

The turbidity of water is attributable to suspended and colloidal matter such as micro-organisms, detritus, clay and other mineral substances which reduce clarity and diminish the penetration of light.

Turbidity is undesirable in surface waters used for domestic and industrial supply and for recreation. Often some of the suspended matter has to be removed to prevent interference with disinfection processes and abrasion to equipment. By interfering with the penetration of light, turbidity can seriously affect aquatic biological communities.

## **Chlorides**

Chlorides are found in practically all natural waters. They may be of natural mineral origin but in general the largest contributions can be traced to domestic sewage discharge, municipal storm drainage, road salting, and industrial wastes.



While not harmful to health in moderate quantities, high concentrations of chlorides make water unfit for municipal and industrial supplies and livestock watering. In addition to imparting an objectionable taste to water, high chloride levels are responsible for increased corrosiveness of water. Furthermore, chloride, being toxic to many plants, may render water undesirable for irrigation.

### **Sulphate**

Sulphates may occur naturally in waters and may be contained in industrial wastes. They are produced from the final oxidation stage of sulphides, sulphites and thiosulphates. Sulphates, under anaerobic conditions, can be reduced to hydrogen sulphide which is malodorous (the odour of rotten eggs) and highly corrosive.

### **Sulphide**

Sulphide is formed by bacterial reduction of sulphate and organic sulphur compounds under anaerobic conditions. It is therefore, commonly found in domestic wastewater, industrial wastewater, sludges, hypolimnions of stratified lakes and any other aquatic systems where anaerobic conditions prevail. As a result, concentrations in surface waters are negligible.

### **Unfiltered Reactive Silicate**

Silicon occurs in sand or quartz as silica and as silicates in feldspar, kaolinite and other minerals. Silicon dioxide, or silica, is insoluble in waters or acids, except hydrofluoric acid, but it may occur in natural waters as finely divided or colloidal suspended matter. Silica is widely employed in industry for making glass, silicates, ceramics abrasives, enamels, petroleum products.

In concentrations found in natural and treated waters, silica or silicates have no adverse physiological effects. Silicates are essential to the growth of many aquatic organisms.

The data which appear under the heading "Reactive Silicate" should properly be referred to as "Unfiltered Reactive Silicate" and are reported as Silicon (Si). Data in this series of publications prior to 1975 were reported as Silica ( $\text{SiO}_2$ ).

### **Acidity**

Acidity in surface or ground waters may be attributable to natural causes, such as humic acids extracted from swamps or peat beds, or industrial wastes such as pickling liquors, effluent from the manufacture of explosives, acid mine drainage or sulphite waste liquors. It may also be affected by atmospheric inputs.

Acidity is best interpreted in conjunction with the pH and alkalinity, as well as any other analyses which identify the acidic components of water.

### **Alkalinity**

Alkalinity is a measure of a waterbody's capacity to neutralize an acid. The alkalinity of natural waters is caused by three major classes of materials which may be ranked in order of their effect on pH as follows:

1. Hydroxides (rarely present in Ontario)
2. Carbonates
3. Bicarbonates and other salts of weak acids

The alkalinity of water has little sanitary significance but is of importance in water and waste treatment practices. Waters with high alkalinity under natural conditions are undesirable because of their associated excessive hardness.

## pH

The symbol pH is used to designate the logarithm (base 10) of the reciprocal of the hydrogen-ion concentration. It is an index of the acidity or alkalinity of the solution. The practical pH range extends from 0, very acidic, to 14, very alkaline, with the middle value of pH 7 corresponding to exact neutrality at 25°C.

The pH is important in determining the appropriate treatment of water supplies.

## Iron

Iron is one of the most abundant elements in the earth's crust and it is a constituent of many industrial wastes.

When sufficient iron is added to water in the form of salts (chlorides, nitrates, sulphates), ferrous to ferric precipitates (iron hydroxides) tend to form, causing low pH values which are toxic to aquatic life. Iron in water may also result in the growth of iron bacteria causing unpalatable taste, discolouration of cloths and plumbing fixtures, and the formation of scales in water mains.

## Phenols

The phenolic compounds, collectively referred to as phenols, are those hydroxyl derivatives of benzene or its condensed nuclei, which are determined by the 4-amino antipyrine method. The results are reported from many industrial processes and may also be released from aquatic plants and decaying vegetation.

Depending on the concentration, the presence of phenolic compounds may be toxic to fish, and may taint the flesh of fish. Phenols in very minute concentrations will combine with chlorine to produce tastes and odours which are usually described as medicinal or chemical.

## Hardness

Water hardness relates to a water's capability to produce lather from soap. The higher the hardness, the less lather will be formed. Hardness in water is caused by dissolved divalent metal ions, calcium and magnesium being the most common. Natural hardness occurs most frequently in limestone areas. The limestone is dissolved by contact with ground and surface water and releases calcium and magnesium ions and traces of contaminant metals.

Hard water, though not considered a health hazard, is undesirable for industrial and domestic water supplies because it has a number of detrimental effects, the most common being the formation of scale in boilers, pipes and water heaters, excessive soap consumption in home and commercial laundering, and adverse affects in textile, plating and canning industries.

Results appear under either the heading "Hardness" and "Calculated Hardness", depending on the analytical procedure. The former results are obtained through titration with ethylenedi-aminetetra-acetic acid (EDTA), the latter by calculation from magnesium (Mg) and calcium (Ca) results determined by Atomic Absorption Spectrophotometry (AAS).

## Calcium

Calcium is relatively abundant in the earth's crust and readily soluble in water so that calcium salts and calcium ions are among the most commonly encountered substances in water. They may result from the leaching of soil and may be contained in sewage and industrial wastes.

Excessive calcium and magnesium in drinking water have been implicated as factors predisposing to the formation of concretions in the body, such as kidney, or bladder stones. On the other hand, there is also evidence of adverse physiological effects from an insufficiency of calcium in water. The calcium ion is a major contributor to hardness and is often responsible

for boiler scale deposits on cooking utensils and excessive soap requirements in washing and laundering. Where water is used for irrigation, calcium is beneficial to plant growth.

### **Magnesium**

Magnesium is an abundant element and a common constituent of natural waters. Magnesium ranks with calcium as a major cause of hardness. The effects of magnesium of water used for consumption and irrigation are generally the same as those of calcium. Magnesium is considered relatively non-toxic to man and not a public health hazard because before toxic concentrations are reached in water, the taste becomes quite unpleasant.

### **Colour**

Colour in water may be of natural mineral or vegetable origin caused by metallic substances such as iron and manganese compounds, humus material, peat, tannins, algae, weeds, and protozoa. Waters may also be coloured by inorganic or organic soluble wastes from industries, such as steelworks, mining, refining, pulp and paper, chemicals, and others. Returned irrigation water also contributes to colour.

Colour from natural origin is not considered harmful from a health standpoint. However, in domestic water, colour is undesirable because of aesthetic considerations.

### **Potassium**

Potassium occurs in many minerals and potassium salts exist in natural waters as a result of contact with potassium-bearing soils and the introduction of certain industrial wastes. The common salts of potassium are highly soluble in water. They resist separation from water by natural processes other than evaporation.

In limited concentrations, potassium is an essential nutrient. Excessive amounts of certain potassium salts in drinking water, however, have detrimental effects on human digestive and nervous systems.

### **Sodium**

Sodium salts are common to all natural waters and may be present in high concentrations in wash waters softened by exchanging calcium and magnesium ions for sodium. Sodium is also found in many industrial process effluents, domestic wastes and salts used in road de-icing.

Concentration of salts such as sodium chloride impact objectionable tastes and may render water unpalatable.

### **Total Organic Carbon (TOC)**

Total organic carbon (TOC), the most significant carbon measurement from a water-quality assessment viewpoint, is the arithmetic difference between total carbon (TC) and total inorganic carbon (TIC).

Total organic carbon usually has a direct relationship with Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) values, but the relationship varies with the composition of the organic material present. The carbon tests are rapid and suitable for the evaluation of organic pollution levels, assessment of waste treatment efficiencies and to a limited extent, the potential demand of a waste discharge on the oxygen resources of a water body.

### **Dissolved Organic Carbon (DOC)**

The organic content of lakes and rivers depends primarily on the products of plants and animals which those water bodies support. Most of the organic carbon in water is composed of humic substances and partly degraded plant and animal materials, some of which is resistant to microbial degradation. Runoff from agricultural land and industrial discharge from

industries such as pulp and paper will add organic carbon to the water. The degradation of large amounts of organic matter causes depletion of the dissolved oxygen concentration and hence, organic carbon is also measured on sewage and industrial waste samples.

### Chemical Oxygen Demand (COD)

The chemical oxygen demand is used in measuring the strength of sewage and industrial wastes. The major advantage of this test is that laboratory results can be obtained in about three hours compared to five days for the five-day biochemical oxygen demand test. The chief limitation of the COD analysis is its inability to differentiate between biologically oxidizable and biologically inert organic matter. The COD almost always exceeds the biochemical oxygen demand.

### Solvent Extractables

The solvent extractable test measures the total quantity of substances present in a water sample that is readily soluble in an appropriate organic solvent. Such substances include fatty acids, petroleum products, oils, greases and resins. They are generally found in effluents of oil refineries, meat packing plants, slaughter houses, dairies, canneries, and a variety of other industries.

Solvent soluble materials greatly increase the oxygen depletion rate in receiving waters and will hinder oxygen exchange with the atmosphere by forming slicks.

### Arsenic

Arsenic may occur, naturally, to a small extent, mostly as sulphides and as arsenides of metals. Elemental arsenic is insoluble in water but many of the arsenates are highly soluble. Highest levels of arsenic in Ontario are found in watercourses downstream of wastewater discharges from metal smelting operations.

Arsenic is very toxic to humans and the trivalent forms are largely retained in the body tissues. Low concentrations of arsenic stimulate plant growth but higher concentrations destroy chlorophyll in the foliage.

### Mercury

Mercury may occur naturally as a free metal or as mercuric salts, the most common being cinnabar, HgS. Both elemental mercury and HgS are insoluble in water and are not likely to occur as water pollutants. Many synthetic organic salts of mercury are used commercially and these salts are highly soluble in water.

Mercury is cumulative and toxic to humans and can be concentrated and transferred up the food chain to a point where commercial and game fish may become unsuitable for human consumption. Micro-organisms can methylate inorganic mercury under both aerobic and anaerobic conditions to produce a more toxic substance.

### Aluminium

Aluminium occurs in many rocks and ores but never as a pure metal in nature. In streams, the presence of aluminium ions may result from industrial wastes or more likely from wash water from water treatment plants.

### Chromium

Few waters contain chromium from natural sources since chromium is generally present in rocks and soils as insoluble chromic oxide which is strongly sorbed to particulate matter. Chromate or dichromate salts are used extensively in metal pickling and plating operations, in anodizing aluminium, in the leather industry as a tanning agent, and in the manufacture of paints, dyes, explosives, ceramics, paper and many other



substances. Chromic or chromite salts on the other hand, are used much less extensively, being employed as mordants in textile dyeing, in the ceramic and glass industry and in photography. Chromium compounds may be present in wastes from many of these industries or may be discharged in chromium-treated cooling waters where the chromium is used as a corrosion inhibitor.

There is no evidence that chromium salts are essential or beneficial to human nutrition. Salts of trivalent chromium are not considered to be physiologically harmful; however, large doses of chromates lead to corrosive effects in the intestinal tract and to nephritis. Both the chromic and chromate ions are toxic to plants and interfere with the uptake of essential elements.

### Copper

Copper salts occur in natural surface waters in trace concentrations and may occur in industrial waste discharges. Copper is used as an algicide for the control of undesirable algae growth and in the treatment of soils as a fungicide and a pesticide.

Copper compounds are toxic to plants and aquatic life.

### Lead

Some natural waters contain lead in solution. Lead may be introduced into water as a constituent of various wastes including industrial and mining effluents, lead plumbing and automobile exhaust. Certain lead salts, such as acetate and chloride, are readily soluble. However, lead which occurs in the carbonate, hydroxide and sulphate forms is sparingly soluble and will not remain long in natural waters.

Lead is a cumulative poison that tends to be deposited in the bone. The intake that can be regarded as safe cannot be stated definitely because the sensitivity of individuals to lead differs considerably. Studies on fish

indicate that in water containing lead salts, a film of coagulated mucus forms over the gills and then the entire body, probably as a result of a reaction between lead and an organic constituent of mucus. The fish then die of suffocation. The toxic effects of lead on fish decreases with increasing hardness and dissolved oxygen.

### Cadmium

In the elemental form, cadmium is insoluble in water. It occurs in nature largely as a sulphide salt, greenockite or as a cadmium blend and often as an impurity in zinc-lead ores.

Cadmium salts are cumulative and highly toxic to man, and have been implicated in some cases in the cause of food poisoning. Consumption of cadmium salts causes cramps, nausea, vomiting, and diarrhea. Cadmium affects reproduction in fish and zooplankton; however, the toxic effects vary with species and time of exposure.

### Zinc

Generally, zinc occurs only in trace amounts in surface waters. The zinc ion is believed to adsorb strongly and permanently on particulate matter (e.g. silt) which settles out of suspension.

Zinc has no known adverse physiological effects upon man except at very high concentrations. At such concentrations, zinc gives water a milky appearance and causes a greasy film on boiling, thus making it unattractive for domestic water supply. Zinc is toxic to aquatic organisms and its toxicity decreases with increasing hardness.

### Manganese

Manganese is similar to iron in that it is found in many industrial wastes and occurs in soils as manganic and manganous compounds. Under anaerobic conditions the manganic ion is reduced to soluble nitrate, sulfate, and

chloride salts of manganese and is leached, along with iron, into ground and surface waters. Like iron, its presence may indicate domestic or industrial pollution.

Water with high manganese content is undesirable for its taste, colour and tendency to form deposits on cooking utensils.

### **Nickel**

Nickel in ores and minerals is insoluble but as a salt (nickel ammonium sulphate, nickel nitrate, nickel chloride) is highly soluble. Electroplating wastes may contain substantial amounts of nickel salts.

Nickel and its salts have generally proven to be non-toxic to man even at very high levels. Contact with nickel salt solutions may result in dermatitis and repeated inhalations of nickel compounds can cause lung cancer.

### **Fluoride**

Fluorides in high concentrations are not a common constituent of natural surface waters, but may naturally occur in detrimental concentrations in ground waters.

Excess concentrations affect animal breeding efficiency and may have detrimental effects on some plants.

### **Cyanide**

Cyanides are likely to occur in effluents from gas works and coke ovens, from the scrubbing of gases produced from blast furnaces, in wastes from the surface cleaning of various metals, and in electroplating processes and other chemical industries.

Cyanide in water is toxic to biological life, the lethal concentration depending on water quality, temperature and type and size of organism.

### Cobalt

Cobalt occurs naturally in the minerals cobaltite, smaltite and erythrite. It is widely used in the manufacture of alloys, the tungsten carbide tool industry and as pigments used in glass staining.

Cobalt is an essential element at trace levels for both animals and plant nutrition. It is known to be one of the main constituents of Vitamin B<sub>12</sub>. Adverse effects due to cobalt are very slight even at high concentrations.

### 3. RADIOCHEMICAL ANALYSES

All elements are made up of atoms, each of which consists of a central nucleus surrounded by a number of electrons. Some nuclei are radioactive; they emit excess energy in the form of ionizing radiation as a result of nuclear disintegrations. The three types of ionizing radiations which are of principal interest in environmental studies are referred to as alpha, beta and gamma radiations.

1. Alpha rays are streams of fast moving helium nuclei. These are particles which can travel only a few centimetres in air and can be stopped by a sheet of paper or a layer of skin.
2. Beta rays are streams of fast moving electrons which are very much lighter than helium nuclei. The maximum range of most common beta rays is a few metres in the air or one to two centimetres in the human body.
3. Gamma rays are highly penetrating electromagnetic radiation of the same family as radio waves and x-rays. Like x-rays, gamma mass rays can pass right through the human body.

The number of nuclear disintegrations occurring in a substance per second is a measure of its radioactivity. The unit of radioactivity used in this report is becquerel (Bq). One becquerel equals one nuclear transformation per second and corresponds to approximately 27 picocuries, (a measure of radioactivity used in previous reports). Radiological half life is the length of time required for one half of the unstable atom to disintegrate or change (i.e., radioactive decay).

Exposure to radiation is characterized by the transfer of energy to molecules of the cells which make up body tissues and organs. This can affect the normal function of the cells, resulting in damage to the tissues and organs. Exposure to the small doses of radiation which might be encountered in the environment will not result in immediate detectable damage; however, long-term effects may result. These effects are in the apparently random occurrence of induced cancers and genetic defects in a small proportion of the exposed population. The numbers of effects induced are considered to be directly proportional to the amount of absorbed radiation.

### **Gross-alpha**

Gross-alpha is a measure of the total radioactivity of all the alpha emitting materials in a sample. Measurements of gross-alpha activity provide useful reference points to enable trends to be detected. However, the results cannot be used to determine radiation dose or health effects since the short range of alpha particles means that some will not be detected, thereby causing an underestimation of the total activity. Also, the alpha particles may be emissions from a mixture of materials that are radiologically and biologically different.

### **Gross-beta**

Gross-beta is a measure of the total radiation of all the beta emitting materials in a sample. Measurements of gross-beta activity provide useful reference points to enable trends to be detected but cannot be used to determine radiation dose or health effects.

### Radium-226

Radium-226 is a naturally occurring alpha-particle emitter formed from the decay of uranium-238 and has a radiological half life of 1602 years.

### Uranium-total

Total uranium exists primarily as the isotope uranium-238 with less than 1% occurring as uranium-235. Uranium is a naturally occurring alpha-particle emitter which was formed at the same time as the earth (about  $5 \times 10^9$  years) and is still present in significant quantities due to its extremely long radiological half-life ( $4.5 \times 10^9$  years).

### Cesium-137

Cesium-137 is a beta-particle emitter formed as a fission product in nuclear weapons detonation and atomic reactor operation. Cesium-137 is readily adsorbed and retained by biological systems. Its radiological half life is 30 years.

### Cesium-134

Cesium-134 is a beta-particle emitter also formed as a fission product in nuclear weapons detonation and atomic reactor operation. Cesium-134 is of less importance than Cesium-137 as its radiological half-life is only 72 hours.

### Cobalt-60

Cobalt-60 is primarily formed in atomic reactor operation due to the neutron activation of trace quantities of cobalt-59 found in steel.

Insignificant quantities are also formed from nuclear weapons detonation. Cobalt-60 has a radiological half life of 5.3 years and emits both beta and gamma radiation.

### Tritium

Tritium exists fairly uniformly in the environment as a result of natural production by cosmic radiation and residual fallout from nuclear weapons tests. This background level is gradually being increased by the use of nuclear reactors to generate electricity.

Current tritium from the nuclear power industry comprises a small proportion of environmental tritium in comparison with that from nuclear weapons fallout and naturally produced tritium. However, nuclear reactors and fuel-processing plants are localized sources of tritium because of discharges during normal operation. This industry is expected to become the major source of environmental tritium contamination some time in the future if present growth trends continue and nuclear explosion in the atmosphere is not resumed. Tritium is produced in light water nuclear reactors by ternary fission, neutron capture in coolant additives, control rods and plates, and activation of deuterium. About 1% of the tritium in the primary coolant is released in gaseous form to the atmosphere; the remainder is eventually released in liquid waste discharges. Most of the tritium produced in reactors remains in the fuel and is released when the fuel is reprocessed.

Naturally occurring tritium is most abundant in precipitation and lowest in aged water because of its physical decay by beta emission to helium.

### Iodine

Iodine is a chemical oxidant. It disinfects in a manner similar to chlorine. Iodine is the least soluble of all the halogens, hence it is the least likely to be hydrolyzed by water. It also has the lowest oxidation

potential, that is, it reacts more slowly with organic compounds with chlorine. Because of this stability, iodine does not react with nitrogenous compounds as does chlorine. Iodine remains effective through a wider range than chlorine; chlorine becomes less stable at pH of 8 as compared to iodine at pH of 10.

#### 4. SYNTHETIC ORGANIC ANALYSES

The synthetic organic compounds referred to in this section are classified as pesticides and industrial chemicals. These compounds contain linked carbon atoms in their chemical structure and are, for the most part, synthesized from common chemicals. Furthermore, they may be subdivided into chemical families of compounds sharing common characteristics. For example, organochlorine compounds (chlorinated hydrocarbons) contain chlorine, hydrogen and carbon in their structure; they have a tendency to accumulate in the fatty tissues of animals and are stable compounds (i.e., persistent).

Until recently, only a few classes of synthetic organic compounds such as drugs, food additives and pesticides were controlled by legislation. For example, the only pesticides which may be offered for sale in Ontario are those which have been registered under the authority of the Pest Control Products Act which is administered by Agriculture Canada. The term pesticide includes insecticides, herbicides and fungicides which are chemical compounds used to control insects, weeds or fungi (i.e., "pests") that attack crops, animals and man. In contrast to the regulation of pesticides, thousands of unregistered synthetic organic chemicals are in daily use as raw materials, products and additives. Very little is known about their possible health and environmental effects because of their sheer number and diversity of use. Many are not hazardous, but the adverse effects already encountered by some have created concern for preventative measures of both known and potentially hazardous substances.



### Polychlorinated Biphenyls (PCBs)

PCBs are a range of industrial chemicals produced by direct chlorination of biphenyl. The North American products in this family are sold under the name Arochlor. Arochlors are characterized by a four digit number, such as Arochlor 1242, or Arochlor 1254, of which the last two digits refer to the weight percentage of chlorine in the products. There are 208 possible compounds which could be formed by this reaction. Each product is a different mixture of up to 100 of these, each with its own unique physical, chemical and biological properties.

The main characteristics of PCBs are their chemical, physical, biological inertness and electrical insulating properties. They have been widely used in transformers and capacitors, as heat exchange fluids or plasticizers, and in inks, paint, lubricants, and many other products. Spills and waste disposal practices have resulted in very large inputs of these chemicals to all facets of the environment.

PCBs are lipophylic, and thus continuing environmental inputs have led to biological uptake and concentration. Of particular concern are the excessive levels detected in some fish. Levels in water and air to date have not demonstrated a threat to human health, as might arise from fish consumption. PCBs have been shown to be both acutely and chronically toxic, carcinogenic and teratogenic (to cause developmental malformations). Limits for human consumption have been set on the basis of tests on monkeys and rats. The present acceptable level of PCBs in fish is 2.0 ppm. However, 0.1 ppm has been suggested as a level for protection of the fisheries resource from reproductive failure. Long-term use of PCBs, at elevated temperatures, and inefficient incineration of these materials have been shown to produce the highly toxic chlorodibenzofurans, closely related to dioxins.

### Trichlorophenoxyacetic Acid (2,4,5-T)

2,4,5-T is a chlorophenoxy acid herbicide. Other members of this family include 2,4-D and 2,4,5-TP which were introduced as selective weed killers at the end of World War II. Their uses include weed control in cereal

crops, lawns, along roadsides, hydro and railroad rights-of-way, and control of aquatic weeds.

The human toxicity of these herbicides is low; effects on farmstock and wildlife from current environmental levels would appear to be negligible and no discernible toxic effects have been reported in fish at levels below 100 mg/L.

However, 2,3,7,8-tetrachlorodibenzodioxin (TCDD), an extremely toxic compound, has been detected in 2,4,5-T formulations as a by-product of its manufacture, thus raising doubts as to the human safety of the use of 2,4,5-T, and the related herbicide 2,4,5-TP (Silvex). A tolerance level of 0.1 ppm 2,3,7,8-TCDD in 2,4,5-T formulation has been set, but the adequacy of the safety factor is still under discussion.

### **Pentachlorophenol (PCP)**

Pentachlorophenol is used as a herbicide, defoliant, insecticide, fungicide and wood preservative. The salts, esters and ethers of PCP are also effective herbicides.

PCP is considered relatively toxic to wildlife and fish and its presence in water can cause tainting of fish flesh, reducing its palatability. PCP can be harmful to man if inhaled and absorbed through the skin. There is no known antidote to PCP poisoning.

In addition to its inherent toxicity, a further problem is posed by the presence of high chlorinated dioxins, (octachlorodioxin, heptachlorodioxin, hexachlorodioxin) in PCP formulations. Although these compounds are considerably less toxic than 2,3,7,8-TCDD (tetrachlorodibenzodioxin), it has been suggested that they may degrade to 2,3,7,8-TCDD under the influence of sunlight and other environmental conditions.

## STATION IDENTIFIER CODES, QUALIFYING REMARKS CODES AND ABBREVIATED PARAMETER HEADINGS

### Station Identifier Codes

The station identifier codes which appear in the index and the top right-hand corner of the data pages are numerical descriptions of the sampling station locations and are used primarily for electronic data processing of the water quality data. The eleven digit figure is decoded as follows: the first two digits refer to the terminal basins (see figures 2 and 3), the following four digits refer to the river basin (each river basin in a terminal basin is assigned a unique number), the next three digits refer to the station number within the river basin and the last two digits refer to the type of sample (e.g. 01-lake sample, 02-stream sample, 82 to 89-composite sample, e.g. 83 - 3 part composite across a station sampling range).

### Qualifying Remarks Codes

#### Distance

The distance in kilometres is measured along the centre line of a watercourse to the sampling station location from the junction of the related terminal stream and terminal basin.

#### Abbreviated Headings

BOW	body of water
STN NO	base station number
LAT	latitude
LONG	longitude
UTM	Universal Transverse Mercator Grid
SAMP DTE DY MO YR	sample date; day, month, year
HOUR LMT	hour(s) local mean time (2400 hour clock)
STN DIST FEET	distance from base station (in feet) (not applicable)
STN BRG	bearing of sampling point (deg N) from base station (not applicable)
SAMP DEPTH MTRS	sample depth (in metres)
PJ	project (not applicable)

#### Abbreviated Parameter Headings

The alphabetic codes appearing as the parameter headings are a series of unique codes used for computer processing. Each alphabetic code identifies a particular water quality parameter and analytical procedure.

Test Name and Abbreviated Description	Description of Test	Units of Measure
ACDT ACIDITY TOTAL	ACIDITY, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
ALKT ALK TOTAL	ALKALINITY, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
ALUT ALUMINUM UNF. TOT.	ALUMINIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ALUMINIUM
ASUT ARSENIC UNF. TOT.	ARSENIC, UNFILTERED TOTAL	MILLIGRAM PER LITRE
AS3UR ARSENTE UNF. REAC.	ARSENIC +3 UNFILTERED REAC.	MILLIGRAM PER LITRE AS ARSENIC
AS5UR ARSENATE UNF. REAC.	ARSENIC +5, UNFILTERED REAC.	MILLIGRAM PER LITRE AS ARSENIC
BOD <sub>5</sub> 5 DAY TOT. DEM.	BOD, 5 DAY, TOTAL DEMAND	MILLIGRAM PER LITRE AS OXYGEN
CAUR CALCIUM UNF. REACT.	CALCIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS CALCIUM
CCNAUR CYANIDE AVAIL UNF. REACT.	CYANIDE, AVAILABLE UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS HYDROGEN CYANIDE
CCNFUR FREE UNF. REACT.	CYANIDE, FREE UNFIL. REACTIVE	MILLIGRAM PER LITRE AS HYDROGEN CYANIDE
CCUT CARBON UNF TOT.	CARBON, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS CARBON
CDUT CADMIUM UNF. TOT.	CADMIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS CADMIUM

Test Name and Abbreviated Description	Description of Test	Units of Measure
CLIDUR CHLORIDE UNF. REAC.	CHLORIDE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS CHLORINE
COD CHEM. OX. DEMAND	CHEMICAL OXYGEN DEMAND	MILLIGRAM PER LITRE AS OXYGEN
COLAP COLOUR APPARENT	COLOUR, APPARENT	HAZEN COLOUR UNIT
COLTR COLOUR TRUE	COLOUR, TRUE	HAZEN COLOUR UNIT
COND25 CONDUCT. 25C	CONDUCTIVITY AT 25°C	MICROMHOS/CM (CONDUCTIVITY) AT 25 DEGREES CENTIGRADE
COUT COBALT UNF. TOT.	COBALT, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS COBALT
C060 COBALT 60	COBALT 60	BECQUEREL PER LITRE
CRUT CHROMIUM UNF. TOT.	CHROMIUM, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS CHROMIUM
CS134 CESIUM 134	CESIUM 134	BECQUEREL PER LITRE
CS137 CESIUM 137	CESIUM 137	BECQUEREL PER LITRE
CUUT COPPER UNF. TOT.	COPPER, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS COPPER
DO DISSOLVED OXYGEN	DISSOLVED OXYGEN	MILLIGRAM PER LITRE AS OXYGEN

Test Name and Abbreviated Description	Description of Test	Units of Measure
DOC CARBON DISSOLVED ORGANIC	CARBON, DISSOLVED ORGANIC	MILLIGRAM PER LITRE AS CARBON
ECMF ESCH IA COLI MF	ESCHERICHIA COLIFORM, MEMBRANE FILTRATIONS TECHNIQUE	COUNTS PER 100 ML
FCMF FECAL COLIFORM MF	FECAL COLIFORM MEMBRANE FILTRATION TECHNIQUE	COUNTS PER 100 ML
FEUT IRON UNF. TOT.	IRON, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS IRON
FFIDUR FLUORIDE UNF. REAC.	FLUORIDE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS FLUORIDE
FSMF FECAL STREPCUS MF	FECAL STREPTOCOCCUS, MEMBRANE FILTRATION TECHNIQUE	COUNTS PER 100 ML
FWFLOW STREAM FLOW	STREAMFLOW	CUBIC METRE (1000L) PER SECOND
FWPH PH FIELD	PH, FIELD	NEGATIVE LOGARITHM OF HYDROGEN ION CONCENTRATION
FWSTRC STREAM COND.	STREAM CONDITION	NOT APPLICABLE
FWTEMP WATER TEMP.	TEMPERATURE, WATER	DEGREES CELSIUS

Test Name and Abbreviated Description	Description of Test	Units of Measure
GACF GROSS ALPHA CT. FILTERED	GROSS ALPHA CT., FILTERED	BECQUEREL PER LITRE
GACP GROSS ALPHA CT UNDISSOL.	GROSS ALPHA CT., UNDISSOLVED	BECQUEREL PER LITRE
GBCF GROSS BETA CT. FILTERED	GROSS BETA CT., FILTERED	BECQUEREL PER LITRE
GBCP GROSS BETA CT. UNDISSOL.	GROSS BETA CT., UNDISSOLVED	BECQUEREL PER LITRE
HARDT HARDNESS TOTAL	HARDNESS, TOTAL	MILLIGRAM PER LITRE AS CALCIUM CARBONATE
HGUT MERCURY UNF. TOT.	MERCURY, UNFILTERED TOTAL	MICROGRAM PER LITRE AS MERCURY
HH3 TRITIUM HYDROG-3	TRITIUM, (HYDROGEN 3)	BECQUEREL PER LITRE
II131 IODINE 131	IODINE 131	BECQUEREL PER LITRE
KKUR POTASSIUM UNF. REAC.	POTASSIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS POTASSIUM
MGUR MAGNESIUM, FIL. REAC.	MAGNESIUM, FILTERED REACTIVE	MILLIGRAM PER LITRE AS MAGNESIUM
MNUT MANGANESE, UNF. TOT.	MANGANESE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS MANGANESE

Test Name and Abbreviated Description	Description of Test	Units of Measure
NAUR SODIUM UNF. REAC.	SODIUM, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS SODIUM
NIUT NICKEL UNF. TOT.	NICKEL, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS NICKEL
NNHTFR NH3-N TOTAL FIL. REAC.	AMMONIUM, TOTAL FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNKI TOTAL N	TOTAL NITROGEN: SUM OF NITRATE NITRITE AND KJELDAHL-NITROGEN	MILLIGRAM PER LITRE AS NITROGEN
NNKUR KJELDAHL ORGANIC UNF. REAC.	KJELDAHL-NITROGEN, ORGANIC UNFILTERED REACTIVE	MILLIGRAM PER LITRE
NNOTFR NO2+NO3N FIL. REACT.	NITRATES, TOTAL FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNOTUR NO1+NO3N UNF, REAC.	NITRATES, TOTAL UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNO2FR NO2-N FIL. REAC.	NITRITE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNTIFR INORG. N. TOTAL FIL. REAC.	NITROGEN, TOTAL INORGANIC FILTERED REACTIVE	MILLIGRAM PER LITRE
NNO2UR NO2-N UNF. REAC.	NITRITE, UNFILTERED REACTIVE	MILLIGRAMS PER LITRE AS NITROGEN



Test Name and Abbreviated Description	Description of Test	Units of Measure
NN03FR N03-N FILT. REAC.	NITRATE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NN03UR N03-N HNF. REAC.	NITRATE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
NNTKUR K'DAHL N TOTAL UNF. TOT.	NITROGEN, TOTAL KJELDAHL UNFIL. REACTIVE	MILLIGRAM PER LITRE AS NITROGEN
PBUT LEAD UNF. TOT.	LEAD, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS LEAD
pH	pH (-LOG H+CONC), LAB.	NEGATIVE LOGARITHM OF HYDROGEN ION CONCENTRATION
PHNOL PHENOLS UNF-REAC	PHENOLICS, UNFILTERED REACTIVE	MICROGRAM PER LITRE AS PHENOL
PP04FR P04 FIL. REAC.	PHOSPHATE, FILTERED REACTIVE	MILLIGRAM PER LITRE AS PHOSPHORUS
PP04UR P04 UNF. REAC.	PHOSPHATE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS PHOSPHORUS
PPUT PHOSPHOR UNF. TOT.	PHOSPHORUS, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS PHOSPHORUS
PSAMF PSEUDOMN AERUG, MF	PSEUDOMONAS, AERUGINOSA MEMBRANE FILTRATION TECHNIQUE	COUNTS PER 100 ML
P1PCBT PCB TOTAL	POLYCHLORINATED BIPHENOLS, TOTAL	MICROGRAM PER LITRE
P3245T 2,4,5-T	2,4,5-Trichlorophenoxyacetic	MICROGRAM PER LITRE

Test Name and Abbreviated Description	Description of Test	Units of Measure
RA226F RADIUM 226 FIL.	RADIUM-226, FILTERED	BECQUEREL PER LITRE
RA226T RADIUM 226 TOT.	RADIUM-226, TOTAL	BECQUEREL PER LITRE
RSF RESIDUE FILTERED	RESIDUE, FILTERED	MILLIGRAM PER LITRE
RSFRAD RESIDUE FILTERED RADIOLOG	RESIDUE, FILTERED RADIOLOGICAL	MILLIGRAM PER LITRE
RSP RESIDUE PARTIC.	RESIDUE, PARTICULATE	MILLIGRAM PER LITRE
RSPRAD RESIDUE PARTIC. RADIOLOG	RESIDUE, PARTICULATE	MILLIGRAM PER LITRE
RST RESIDUE TOTAL	RESIDUE, TOTAL	MILLIGRAM PER LITRE
SAMPLE NUMBER	SAMPLE NUMBER, FIELD	NOT APPLICABLE
S103UR SILICATE UNF. REAC.	SILICATES, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS SILICON
SOLEXT SOLVENT EXTRACT.	SOLVENT EXTRACTABLES	MILLIGRAM PER LITRE
SSIDUR SULPHIDE	SULPHIDE, UNFILTERED REACTIVE UNF. REAC.	MILLIGRAM PER LITRE
SS04UR SULPHATE UNF. REAC.	SULPHATE, UNFILTERED REACTIVE	MILLIGRAM PER LITRE AS SULPHATE

Test Name and Abbreviated Description	Description of Test	Units of Measure
TCMF COLIFORM TOTAL MF	COLIFORM, TOTAL MEMBRANE FILTRATION TECHNIQUE	COUNTS PER 100 ML
TCMFBK COLIFORM TOTAL MF BCKGRD	COLIFORM, TOTAL MEMBRANE FILTRATION TECHNIQUE BACKGROUND	COUNTS PER 100 ML
TURB TURB'ITY	TURBIDITY	FORMAZIN TURBIDITY UNIT
UU238 URANIUM 238	URANIUM 238	MILLIGRAM PER LITRE
X3PCPH PENTACHL PHENOL	PENTACHLOROPHENOL	NANORGRAMS PER LITRE
ZNUT ZINC UNF. TOT.	ZINC, UNFILTERED TOTAL	MILLIGRAM PER LITRE AS ZINC

## OTHER ABBREVIATIONS

ARITH MEAN	arithmetic mean
AVE.	avenue
AVG OR GEOM MN	arithmetic mean or geometric mean (denoted by *)
BLVD.	boulevard
BR.	branch, bridge or brook
CORP.	corporation
CAN.	Canadian
C.N.R.	Canadian National Railway
CO.	county or company
CONC.	concession
C.P.R.	Canadian Pacific Railway
CR.	Creek
DR.	drive
FT.	feet
GEOM MEAN	geometric mean
HWY.	highway
JNT.	junction
L.	left
MG	milligram(s)
MG/L or mg/L	milligrams per litre
ML	millilitre(s)
N.	north
NG/L	nanogram(s) per litre
NO/OF SAMPLES	number of samples
PT.	part or point
Q.E.W.	Queen Elizabeth Way
R.	river or right
RD.	road
R.R.	railroad
RW.	railway
S.	south
STD DEV	standard deviation
S.T.P.	sewage treatment plant
TWP.	township
UG/L	micrograms per litre
W.P.C.P.	water pollution control plant
WW.	water-works

An "Exponent" is used to move the decimal point to the right when the result is greater than 7 digits or to the left if the result is measured to more than three decimal places.

EXPONENT	= + 4	multiple	result	by	10,000
	= + 3	"	"	"	1,000
	= + 2	"	"	"	100
	= + 1	"	"	"	10
	= - 1	divide	result	by	10
	= - 2	"	"	"	100
	= - 3	"	"	"	1,000
	= - 4	"	"	"	10,000

## ANALYTICAL TECHNIQUES USED TO MEASURE WATER QUALITY

### Microbiological Parameters

### Analytical Technique

Total Coliforms	Membrane Filtration
Fecal Coliforms	Membrane Filtration
Fecal Streptococcus	Membrane Filtration
Pseudomonas Aeruginosa	Membrane Filtration
Background Count	Membrane Filtration

### Chemical and Physical Parameters

### Analytical Technique

Alkalinity	Auto* fixed endpoint titration
Ammonia-N (filtered total)	Auto modified Berthelot reaction
Arsenic	Flameless AAS**; colourimetry
Cadmium	AAS
Calcium	AAS; EDTA titrimetric
Carbon	Auto oxidation, colourimetry
Chloride	Auto potentiometric titration; Auto FeCNS
Chromium	AAS; colourimetry
Conductivity	25°C thermostated conductivity meter
Copper	AAS
Iron (total)	AAS; Auto TPTZ colourimetry
Lead	AAS
Magnesium	AAS; calculation from hardness, Ca
Manganese	AAS; Auto formal doxine colourimetry
Mercury	Flameless AAS
Nickel	AAS
Nitrate + Nitrite-N (filtered)	Auto hydrazine reduction-diazotization
Kjeldahl-N	Digest, Auto modified Berthelot reaction
Phosphate-P (filtered reactive)	Auto molybdenum blue-ascorbic acid
pH	Potentiometric-glass electrode
Phenolics-reactive	Auto distillation-4AAP
Phosphorus-total	Digest, Auto molybdenum blue-ascorbic acid
Phosphorus-filtered total	Digest, Auto molybdenum blue-ascorbic acid
Potassium	AAS

Selenium  
Silicates-reactive  
Sodium  
Solids-suspended  
Sulfate  
Turbidity  
Zinc

Fluorimetry  
Auto molybdenum blue-ascorbic acid  
AAS  
Gravimetric  
Auto MTB colourimetry; Ion Chromatography  
Nephelometry, formazin standard  
AAS

#### Radiochemical Parameters

Gross alpha

Nuclear disintegrations count from evaporated residues

Gross beta

Nuclear disintegrations count from evaporated residues

Radium-226

Diemination technique

Uranium-total

Fluorometric technique

Cesium-137

Gamma spectrometry

Cesium-134

Gamma spectrometry

Cobalt-60

Gamma spectrometry

#### Synthetic Organic Parameters

PCB

Solvent extraction, gas chromatography

2,4,5-T

Solvent extraction, gas chromatography

PCP

Solvent extraction, gas chromatography

\* Automated instrumentation

\*\* Atomic Absorption Spectrophotometry

## GLOSSARY OF TERMS

### Arithmetic Mean

- The nth quotient of the summation of n observations. The equation for the arithmetic mean ( $\bar{X}$ ) can be expressed as:

$$\bar{X} = \frac{X_1 + X_2 + X_3 + \dots + X_n}{n}$$

### Detection Limit

- The amount of analyte required to be present to ensure that when it is 'absent' it will not be reported as 'present'.

### Geometric Mean

- The nth root of the product of n observations. The equation for the geometric mean ( $G_x$ ) can be expressed as:

$$G_x = \sqrt[n]{X_1 \times X_2 \times \dots \times X_n}$$

or

$$G_x = \text{antilog} \left( \frac{\log X_1 + \log X_2 + \dots + \log X_n}{n} \right)$$

### Standard Deviation

- A measure of variability or dispersion. For a set of n observations,  $X_i$  ;  $i = 1, \dots, n$ . The standard deviation is given as:

$$S = \sqrt{\Sigma(x_i - \bar{x})^2 / (n - 1)}$$



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LL/rmg/avf  
00366-05A-SE  
WTRSHD89-90.3

# ABBREVIATIONS AND REMARKS USED ON REPORTS

## ABBREVIATIONS USED:

BTH GRAB	BOTTOM GRAB SAMPLE
CORE	BOTTOM CORE SAMPLE
CNT LOW	BACTERIA COUNT UNACCEPTABLE
DATA AVL	DATA NOT STORED IN THIS SYSTEM BUT IS AVAILABLE
DC	DEPTH COMPOSITE SAMPLE
DD	DAY
ET	END TIME
EXP	PRECIPITATING AT EXPOSURE (FOR PRECIP. SAMPLES)
GC	GAUGE DEPTH (FOR PRECIP. SAMPLES)
I	DEPTH INTERVAL (IN METERS) WHEN ASSOCIATED WITH DC
ID	TIME INTERVAL (IN HOURS) WHEN ASSOCIATED WITH TC
IT	INITIAL DATE (SET-UP DATE FOR PRECIP. SAMPLES)
	INITIAL TIME (SET-UP TIME FOR PRECIP. SAMPLES)
LAT	LATITUDE
LONG	LONGITUDE
LMT	LOCAL MEAN TIME
L01	LOW VOLUME SEQUENTIAL SAMPLE
L02	LOW VOLUME NUTECH SAMPLE
MM	MONTH
N	NUMBER OF SAMPLES (USED FOR DC, TC AND CORE SAMPLES)
DRY	PRECIPITATION SAMPLE (DRY ONLY)
WET	PRECIPITATION SAMPLE (WET ONLY)
BULK	PRECIPITATION SAMPLE (BULK)
GRND	PRECIPITATION SAMPLE (ON GROUND SNOW COURSE)
REM	PRECIPITATING AT REMOVAL (FOR PC SAMPLES 0,1,2,3)
SD	START DEPTH
ST	START TIME
SED CORE	SEDIMENT CORE SAMPLE (DEPTH FROM AND TO MEASURED IN CM)
SED GRAB	SEDIMENT GRAB SAMPLE (DEPTH FROM AND TO MEASURED IN CM)
WLE	WATER LAYER - WHOLE LAKE COMPOSITE
EPI	WATER LAYER - EPIIMNION ZONE
MET	WATER LAYER - METALIMNION ZONE
HYP	WATER LAYER - HYPOLIMNION ZONE
EUP	WATER LAYER - EUPHOTIC ZONE
GEN	WATER LAYER - GENERAL LAYER
TC	TIME COMPOSITE SAMPLE
TNTC	BACTERIA TOO NUMEROUS TO COUNT
V	VOLUME WHEN ASSOCIATED WITH L01 AND L02 SAMPLES
YY	YEAR

## NOTE:

ONE SAMPLE DESIGNATES DATA ASSOCIATED WITH A LOCATION AT ONE POINT IN TIME

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
<	ACTUAL RESULT < THAN REPORTED VALUE	PE
<=>	APPROXIMATE RESULT	
<DL	REPORTED VALUE=MDL: MEASURE AMT<MDL	PT
<E	NO RESP.: (EXCESS DIL'N) MIN. VALUE	PE
<N	NON-DETECTED	PE
<R	DETECT LIMIT REPORT: VALUE < LIMIT	PE
<S	TRACE RESP.: < THAN VALUE REPORTED	PE
<SQ	LESS THAN-BASED ON SEMI-QUANT. METH	
<T	A MEASURABLE TRACE AMOUNT	PT
<TE	MEASURABLE TRACE AFTER EXTRA DIL/CO	PT
<W	NO MEASURABLE RESPONSE (0) <REP. V.	PT
<WE	NO MEASURABLE RESPONSE (DILN/CONC)	PT
	NO DATA WILL BE REPORTED: SEE TEXT	
*	INTERNAL TEST: NOT INCLUDED IN REP.	
AA	NO DATA: ANAL. REQ ABSENT-AMBIGUOUS	
AD	NO DATA: ANOMALOUS DATA WITHDRAWN	
AI	ADDITIONAL INFORMATION AVAIL AT LAB	
AL	NO DATA: AL NOT DONE, PH > 5.5	
AM	NO DATA: PH > 7	
AR	SEE ATTACHED REPT: NO NUMERIC VALUE	
AW	NO DATA: ANALYSIS WITHDRAWN	
BC	NO DATA: BACKGRND COLOUR INTERFERES	
BL	NO DATA: UNRELIABLE BLANK	
BN	NO DATA: BACKGROUND TOO NUMEROUS	
BT	NO DATA: SAMPLE BROKEN IN TRANSIT	
CA	NO DATA: CARBONATE NOT DONE, PH<5.0	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
CL	NO DATA: EXCESSIVE CHLORINE LEVEL	
CR	COULD NOT PERFORM CONFIRMING REANAL	
CS	NO DATA: CONTAMINATION SUSPECTED	
CU	NO DATA: COLONY COUNT UNSUITABLE	
DD	NO DATA: DUPLICATES FOUND TO DIFFER	
DI	NO DATA: SAMPLE DISCARDED IN ERROR	
DL	NO DATA FOR LPA DUE TO SIZE DISTRIB	
DS	NO DATA FOR SPA DUE TO SIZE DISTRIB	
EE	NO DATA: EMPTY ENVELOPE	
EF	NO DATA: LABORATORY EQUIP. FAILURE	
EP	NO DATA: EXCESS. PRESERVATIVE USED	
FB	NO DATA: FROZEN CONTAINER BROKEN	
FC	NO DATA: FOIL CAP CONTAMINATED SAMP	
FF	NO DATA: FIELD FILTERED SAMP REQURD	
GL	NO DATA: GREEN LABEL REQ ON BOTTLE	
HB	NO DATA: HIGH BACKGROUND ABSORBANCE	
HI	RERUN: NO VALUE,OFFSCALE HIGH	
IC	NO DATA: IMPROPER CONTAINER	
IF	NO DATA: INVALID FILTER-NO AIR VOL	
IL	NO DATA: SAMPLE INCORRECTLY LABELED	
IM	INTERNAL LAB MEMO; FOR LAB USE ONLY	
IN	NO DATA: INSUFFICIENT VOL/INSPECTED	
IP	NO DATA: INSUFFICIENT PRESERVATIVE	
IR	NO DATA: INSUFFICIENT FOR REPEAT AN	
IS	NO DATA: INSUFFICIENT SAMPLE	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
IV	NO DATA: INVALID SAMPLE	
LA	SAMPLE SPOILED IN LAB ACCIDENT	
LC	NO DATA: LAB CAPACITY EXCEEDED	
LD	NO DATA: TEST QUEUED:SAMP DISCARDED	
LO	RERUN: NO VALUE,OFFSCALE LOW	
LP	NO DATA: PERISHABLE TEST QUEUE LATE	
MS	NO DATA: TOO COMPLEX, REF TO MS GRP	
MX	RESULT FOR M-XYLENE = M- + P-XYLENE	
NA	NO DATA: NO AUTHORIZATION TO ANALYZ	
ND	NO DATA: NOT ANALYZED	
NE	SUBM SHEET MISPLACED - NOT ENTERED	
NF	NO DATA: INFORMATION NOT RECEIVED	
NI	NO DATA: SAMP NOT STORED IN ICE	
NM	NO DATA: NO DISCHARGE	
NN	NO DATA: TESTS REQ. IN LIS ERROR	
NP	NO DATA: NO APPROP. PROCEDURE AVAIL	
NR	NO DATA: SAMPLE NOT RECEIVED AT LAB	
NS	NO DATA: NOT EQUIP. TO ANALY SAFELY	
NT	NO DATA: NO TIME RECORDED	
OC	NO DATA: ORGANIC CARBON CONTENT>17%	
OF	SLUDGE SAMP DISCARD:BOTTLE OVERFILL	
OP	NO DATA: OBSCURED PLATE	
OS	NO DATA: OPTIONAL SAMPLE	
OT	SAMPLE OVERTITRATD:NO REPEAT POSBLE	
PE	PROCEDURE ERROR: SAMP NOW DISCARDED	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
PM	NO DATA: PIECE MISSING	
PR	NO DATA: PRESERVATIVE REQUIRED	
PU	NO DATA:VSAMPLE PRESUMED UNSTERILE	
QU	NO DATA: QUALITY CONTROL UNACCEPT.	
RC	RESULT CHANGED: REPORT REVISED	
RD	SEE ATTCH. REPT:NO NUM VALUE:DIOXIN	
RE	NO DATA: SAMP CONTAINER RECV. EMPTY	
RI	SEE ATTCH. REPT:NO NUM VALUE:ITCS	
RL	RESULT FORTHCOMING FROM RAD. LAB	
RM	SEE ATTCH. REPT:NO NUM VALUE:MICRO	
RN	SEE ATTCH. REPT FOR NUMERIC RESULT	
RO	SEE ATTCH. REPT:NO NUM VALUE:OTCS	
RP	SEE ATTCH. REPT:NO NUM VALUE:PEST	
RR	NO DATA: RERUN HAS BEEN INITIATED	
RS	REPORT SENT TO PRIMARY CLIENT	
RT	SAMPLE NOT REFRIGERATED IN TRANSIT	
RW	SEE ATTCH. REPT:NO NUM VALUE:WQS	
SD	NO DATA: SAMPLE DECOMPOSED	
SE	SAMPLE EXAMINED: SEE OTHER RESULTS	
SF	NO DATA: SAMPLE RECEIVED FROZEN	
SL	NO DATA: SAMP ARRIVED LATE FOR ANAL	
SM	NO DATA: SAMPLE MISSING:LOST IN LAB	
SS	SEPARATE SAMP, PROPER. PRESERVE REQ	
ST	NO DATA: SEE ATTACHED TEXTUAL INFO.	
TC	NO DATA:TOTAL CR/PB LESS THAN 1 PPM	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
TF	NO DATA: TORN FILTER	
TH	TURBIDITY EXCEEDED INSTRUMENT RANGE	
TM	NO DATA: TEST MEDIA NOT AVAILABLE	
TN	NO DATA: TOO NUMEROUS TO COUNT	
TO	NO DATA: HI ORGANIC PRECLUDED MICRO	
TU	NO DATA: ANALY TEMPORARILY UNAVAIL.	
TW	NO DATA: TARE WEIGHT >LOADED WEIGHT	
TX	NO DATA: TIME LIMIT EXPIRED	
U	NO DATA: UNSUITABLE FOR ANALYSIS	
UB	NO DATA: BROKEN SAMPLE CONTAINER	
UD	INSUFFICIENT SAMPLE	
UE	NO DATA: UNCORRECTABLE ERROR	
UI	NO DATA: UNDETERMINED INTERFERENCE	
UN	NO DATA: RESULTS UNRELIABLE	
UP	NO DATA: NO INFLECTION POINT DETECT	
UR	NO DATA: UNPRESERVED SAMP REQUIRED	
VE	INSUFFICIENT SAMP:VISUAL EST:RSP<15	
VN	NO DATA: SAMPLE CONTAINER NOT FULL	
VU	NO DATA: VALUES USED IN CACL UNVAIL	
WP	NO DATA: WRONG PRESERVATIVE USED	
1W	NO DATA: SAMPLE AGE EXCEEDS 1 WK	
12	NO DATA: SAMPLE AGE EXCEEDS 12HR	
24	NO DATA: SAMPLE AGE EXCEEDS 24HR	
30	NO DATA: SAMPLE AGE EXCEEDS 30 HRS	
48	NO DATA: SAMPLE AGE EXCEEDS 48 HRS	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
*?	CHECK: LIS PICKED PREVIOUS RERUN	
*??	CHECK: LIS PICKED FROM PREV. RERUNS	
*DE	DEMO RESULT- DO NOT REPORT !!!!!!!!!	
*DN	SAMPLE DECOMPOSITION NOTED	
*LO	RERUN: READING TOO LOW- USE LG ALIQ	
*RE	BAD READING. NO RESULT	
*RH	RERUN: DILUTION READING TOO HIGH	
*RL	RERUN: DILUTION READING TOO LOW	
*RR	RERUN REQUESTED	
>	ACTUAL RESULT > THAN REPORTED VALUE	PE
>SF	ACTUAL MASS > SIZED FIBRE MASS	PE
?	LATE DATA: DATA NOT YET AVAILABLE	PT
A	APPROXIMATE VALUE	
A>	APROX RSLT:EXCEED NORMAL RNGE LIMIT	
AAI	ADDITIONAL INFO AVAILABLE FROM LAB	
AGE	SAMPLE AGE EXCEEDED NORMAL LIMIT	
AID	APPROX VALUE: INSUFFICIENT DILUTION	
AIP	ANALYSIS IN PROGRESS	
AIT	ANALYSIS BY IODINE TITRATION METHOD	
ALO	TOO ORGANIC;4:1 SOL'N:SOIL RATIO	
APD	ANALYSIS PERFORMED AT DORSET LAB	
AR	ATTACHED REPORT	PT
BLD	BOTTLE LABEL/SUBMISSION FORM DIFFER	
BNL	BOTTLE NOT LABELLED- LOCATION?	
BPS	RESULTS BIASED LOW DUE TO LONG STOR	



# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
CIC	POSSIBLE CONTAM DUE TO IMPROPER CAP	
CID	IONCAL FOR LAB USE ONLY	
CIT	CONFIRMED BY IODINE TITRATION METH	
CMS	IDENTITY CONFIRMED BY GC/MASS SPEC	
CRC	TEMP CONTINGENCY: RSF = COND.* .065	
CRO	CALCULATED RESULT ONLY	
DCC	DANGER: SAMPLE CONTAINS CARCINOGENS	
DCN	DANGER: SAMPLE CONTAINS CYANIDE	
DCP	DANGEROUS CONSTITUENTS PRESENT	
DUP	DUPLICATE	
DWP	DRINKING WATER QUALITY POOR	
DMU	DRINKING WATER QUALITY UNSAFE!	
D24	ANALYSIS DELAYED TO 24HR: OVERLOAD.	
D48	ANALYSIS DELAYED TO 48HR: OVERLOAD.	
E	ESTIMATED OR COMPUTED VALUE STORED	
EBR	NO RESULT: BOTTLE RECEIVED EMPTY	
EDC	EXCEEDS 1978 DRINK WATER QUAL CRIT	
EV	ESTIMATED VALUE - TARE WT UNVAIL.	
FAN	FRACTION ANALY: NON-AQUEOUS PHASE	
FAP	FRACTION ANALY: PARTICULATE ONLY	
FAQ	FRACTION ANALY: AQUEOUS PHASE ONLY	
FBA	LAB STAFF:FILT.WHOLE SAMP BEFORE AN	
FPA	LAB STAFF:FILTER PRIOR TO ANALYSIS	
HRF	SUSPECTED HIGH RESULT:IRON PRECIP	
I	INTERFERENCE SUSPECTED	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
IC	INTERFERENCE: COLOUR	
IM	INTERFERENCE: SAMPLE MATRIX	PT
IST	INSUFFICIENT SAMPLE: PETBOTTLE LEAK	
LPI	LABELS PROBABLY INTERCHANGED	
M	MANUALLY ANALYSED	
MES	2345+2346-TETRACHOLOR-PHENOL TOGETH	
MP	MULTIPHASE SAMPLE(SUSPECTED RESULT)	PT
NAF	NOT ALL REQUIRED TESTS FOUND	
NED	NOT ENOUGH DATA	
NEW	TEST ANALYZED BY NEW METHOD	PT
NNN	NOTE: CORRECTED VALUE	
NSD	NO SAMPLE DATE INDICATED	
NSS	NO SUITABLE SAMPLE	
NTR	NO TIME RECORDED: ANAYL. PERFORMED	
O	OLD: SAMPLE EXCEEDS MAX. STORAGE T.	PT
OLD	OLD: SAMPLE EXCEEDS MAX. STORAGE T.	PT
PFS	TEST PERFORMED ON PREV FROZEN SAMP	
PHA	PH ADJUSTED BEFORE ANALYSIS	
PLD	PASSIVE LOADING	
PLT	PALUSTRIC+LEVOPIMARIC ACID TOGETHER	
PNF	TEST PERFORMED ON NON-FROZEN SAMPLE	
PNS	TEST PERFORMED ON UNPRESERVE SAMPLE	
PPS	TEST PERFORMED ON PRESEVERED SAMPLE	
PS1	PCB RESEM.MIX AROCLR 1248,1254,1260	
PS2	PCB RESEM.MIX AROCLR 1242 1245 1260	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
P20	PCB RESEMBLED MIX AROCLOR 1242 1260	
P21	PCB RESEMBLED AROCLOR 1221	
P24	PCB RESEMBLED MIX: AROCLOR 1242, 1254	
P28	PCB RESEMBLED MIX: AROCLOR 1242, 1248	
P32	PCB RESEMBLED AROCLOR 1232	PT
P40	PCB RESEMBLED MIX: AROCLOR 1254, 1260	
P42	PCB RESEMBLED AROCLOR 1242	
P48	PCB RESEMBLED AROCLOR 1248	
P54	PCB RESEMBLED AROCLOR 1254	
P60	PCB RESEMBLED AROCLOR 1260	
P80	PCB RESEMBLED MIX: AROCLOR 1248, 1260	
P84	PCB RESEMBLED MIX: AROCLOR 1248, 1254	
RID	IONCAL CALC. ON INCOMPL. DATA SET	
RSP	REPEAT SAMPLE-DRINKING WATER POOR	
RSU	REPEAT SAMPLE-DRINKING H2O UNSAFE	
R24	REPEAT: 24 HRS SAMPLING TO ANALYSIS	
R48	REPEAT: 48 HRS SAMPLING TO ANALYSIS	
R72	REPEAT: 72 HRS SAMPLING TO ANALYSIS	
SBF	WHOLE FISH SUBMITTED - SBF ANALYZED	U0
SBO	SAMPLE BOTTLE OVERFILLED	
SCT	SAMPLE NOT COOLED DURING TRANSIT	
SD	SAMPLE DUPLICATES DIFFER IN APPEAR.	
SFT	SAMPLE FROZEN IN TRANSIT	
SID	SAMPLE IDENTIFICATION QUESTIONABLE	
SIL	SAMP INCORRECTLY LABELLED	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
SPH	SATURATED PASTE PH REPT:HIGH ORGAN.	
SPL	SEVERAL PEAKS,LARGE,NOT PRIORITY	
SPS	SEVERAL PEAKS,SMALL,NOT PRIORITY	
SQT	RESULT BASED ON SEMI-QUANT. METHOD	
SRP	SPECIAL RESAMPLE- DRINKING H2O POOR	
SRU	SPECIAL RESAMPLE- DRINK. H2O UNSAFE	
STA	SAMP TOO OLD FOR RE-ANALYSIS	
STC	SAMP TOO COMPLEX FOR THIS METHOD	
TAF	TRACE AMOUNT FOUND	
TNA	SOME TESTS REQUESTED NOT AVAILABLE	
U	UNRELIABLE RESULT	
UAM	UNRELIABLE: ANALYZER MALFUNCTION	
UAU	UNRELIABLE- SAMPLE AGE UNKNOWN	
UCI	UNRELIABLE: SUSPECTED CL2 INTERFER.	
UCL	UNRELIABLE: EXCESSIVE CL2 LEVEL	
UMF	UNRELIABLE: MULTIPLE FILTERS SUBMIT	
UQC	DATA UNRELIABLE: POSSIBLE LAB QC P.	PT
URD	RESULT MAY BE LOW: UNDISOLVE PART.	
USF	UNRELIABLE: SAMPLE FROZEN IN TRANS.	
USM	ALUMINUM FOR METALS SAMPLE	PT
USP	PLASTIC ORGANICS SAMPLE	PT
UST	UNRELIABLE: PET BOTTLE LEAKED TRANS	
UTF	UNRELIABLE: TORN FILTER	
U24	UNRELIABLE: SAMPLE AGE EXCEEDS 24HR	
U30	UNRELIABLE- SAMPLE AGE EXCEEDS 30HR	

# ABBREVIATIONS AND REMARKS USED ON REPORTS

INDIVIDUAL TEST VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

REMARK	MEANING OF REMARK	COMMENT CODE
WFA	WHOLE FISH ANALYZED	U0
WSB	WARNING-HEAVY SILT IN SAMP BIAS RES	
WSD	WRONG SAMP DESCRIPTION ON BOTTLE	
WST	WET SAMP MASS USED:RESLT REPT MG/KG	
X1	DILUTD BY 10 DETECT LINT 10X NORM	
X2	DILUTD BY 100 DETECT LINT 100X NORM	
X3	DILUTD BY 1000 DECT.LINT 1000X NORM	
24P	P-A BOTTLE POSITIVE AFTER 24 HOURS	
48P	P-A BOTTLE POSITIVE AFTER 48 HOURS	
72P	P-A BOTTLE POSITIVE AFTER 72 HOURS	
96P	P-A BOTTLE POSITIVE AFTER 96 HOURS	
99P	P-A BOTTLE POSITIVE AFTER 120 HOURS	

COMPUTED VALUES MAY BE QUALIFIED BY ONE OF THE FOLLOWING REMARKS:

<A VALUE WITH A REMARK WHICH HAS A  
COMMENT CODE OF PT (AS ABOVE) USED IN  
COMPUTATIONS

NOTE: VALUES WITH COMMENT CODE OF PE  
ARE NOT USED IN COMPUTATIONS

REMARK CODES APPEAR TO THE RIGHT OF THE VALUE I.E. 435.56<T

## 1987 WATER QUALITY DATA REGION 4

1

B.O.W./ SITE: CONSECON CREEK  
 SAMPLE POINT: AT MILL DAM CONSECON  
 STATION TYPE: RIVER

STATION ID: 06-0157-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: CONSECON CREEK

STORET CODE: 02  
 004  
 2640

LAT: 43 59 40.56 LONG: 077 31 20.29

U T M: 18 0297750.0 4874150.0 4

REGION: 04

DISTANCE: 0.322

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	ALK	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HOUR	DEPTH	SUB-PROJ	TOTAL	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870224		27814	0101	213.7	0.8<T	0.0030<	7.15	432.0	0.005<	0.003	
870428	1035	27832	0101	166.9	1.8	0.0003<	4.80	332.0	0.001	0.011	6.00
870601		27841	0101	126.6	3.1	0.0003<	4.15	256.0	0.001<	0.001	14.00
870929	1039	27877	0101	114.5	1.2	0.0003<	5.75	255.0	0.001<	0.001<	6.00
MAXIMUM		0.30		213.7	3.1		7.15	432.0	0.001	0.011	14.00
ARITH MEAN		0.30		155.4	1.7<A		5.46	318.7	0.001	0.005	8.67
GEOM MEAN				150.8	1.5<A		5.35	311.1			7.96
MINIMUM		0.30		114.5	0.8		4.15	255.0	0.001	0.001	6.00
STD DEV (GEOM *)				44.8	1.0<A		1.30	83.7			4.62
# SAMP IN STATISTICS		4		4	4		4	4	1	3	3
% SAMP (EXCLUDED)									75	25	
*INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	PH
		IRON			POTASSIM	NH3-N			K'DAHL N	LEAD	
SAMPLE		UNF.TOT.		WATER	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	UNF.REAC	UNF.TOT.	
DATE	HOUR	MG/L	STREAM	TEMP	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	MG/L	MG/L	PH
YYMMDD	LMT	AS FE	COND.	DEG.C	AS K	AS N	AS N	AS N	AS N	AS PB	
870224		0.069	4 8	3.0	1.790	0.048	0.165	0.0090	0.660	0.030<	8.10
870428	1035	0.029	6 8 0	13.0	1.330	0.052	0.030<T	0.0050	0.660	0.003<	8.22
870601		0.093	7	25.0	0.930	0.172	0.020<W	0.0090	1.270	0.003<	8.53
870929	1039	0.120	7		0.880	0.096	0.020<W	0.0065	1.120	0.003<	8.14
MAXIMUM		0.120		25.0	1.790	0.172	0.165	0.0090	1.270		8.53
ARITH MEAN		0.078		13.7	1.232	0.092	0.059<A	0.0074	0.927		8.25
GEOM MEAN		0.069		9.9	1.181	0.080	0.038<A	0.0072	0.887		8.25
MINIMUM		0.029		3.0	0.880	0.048	0.020	0.0050	0.660		8.10
STD DEV (GEOM *)		0.039		11.0	0.423	0.058	0.071<A	0.0020	0.315		0.19
# SAMP IN STATISTICS		4		3	4	4	4	4	4		4
% SAMP (EXCLUDED)											

(CONT'D)

B.O.W./ SITE: CONSECON CREEK  
 SAMPLE POINT: AT MILL DAM CONSECON  
 STATION TYPE: RIVER

STATION ID: 06-0157-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: CONSECON CREEK

STORET CODE: 02  
 004  
 2640

LAT: 43 59 40.56 LONG: 077 31 20.29

U T M: 18 0297750.0 4874150.0 4

REGION: 04

DISTANCE: 0.322

*=INTERIM TEST-NAME:		PHNOL	PPUT	TURB	ZNUT
		PHENOLS	PHOSPHOR		ZINC
SAMPLE		UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HOUR	UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	PHENOL	AS P	FTU	AS ZN
870224		0.2<W	0.074	1.60	0.003<
870428	1035	0.4<T	0.029	2.20	0.005
870601		0.8<T	0.073	3.10	0.004
870929	1039	0.4<T	0.035	2.90	0.003
MAXIMUM		0.8	0.074	3.10	0.005
ARITH MEAN		0.4<A	0.053	2.45	0.004
GEOM MEAN		0.4<A	0.048	2.37	
MINIMUM		0.2	0.029	1.60	0.003
STD DEV (GEOM *)		0.3<A	0.024	0.69	
# SAMP IN STATISTICS		4	4	4	3
% SAMP (EXCLUDED)					25

## 1987 WATER QUALITY DATA REGION 4

3

B.O.W./ SITE: CONSECON CREEK  
 SAMPLE POINT: AT COUNTY ROAD 2 ALLISONVILLE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HE002

STATION ID: 06-0157-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: CONSECON CREEK

STORET CODE: 02  
 004  
 2640

LAT: 44 01 39.48 LONG: 077 22 01.59

U T M: 18 0310300.0 4877450.0 4

REGION: 04

DISTANCE: 14.001

*=-INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	TOT.DEM. MG/L AS O	UNF.TOT. MG/L AS CD	UNF.REAC MG/L AS CL-	25C UMHO/CM AT 25 C	UNF.TOT. MG/L AS CR	UNF.TOT. MG/L AS CU	OXYGEN MG/L AS O
870224	1035	27813	0.30	0101	274.6	1.3	0.0030<	7.25	513.0	0.005<	0.003<	
870428	1020	27831	0.30	0101	200.5	1.1	0.0003<	4.45	375.0	0.001<	0.005	3.00
870601		27840	0.30	0101	210.6	1.1	0.0003<	4.50	383.0	0.001<	0.001	8.00
870929	1021	27876	0.30	0101	180.6	0.8<T		16.25	428.0			4.00
MAXIMUM		0.30			274.6	1.3		16.25	513.0		0.005	8.00
ARITH MEAN		0.30			216.6	1.1<A		8.11	424.7		0.003	5.00
GEOM MEAN					213.9	1.1<A		6.97	421.4			4.58
MINIMUM		0.30			180.6	0.8		4.45	375.0		0.001	3.00
STD DEV (GEOM *)					40.6	0.2<A		5.58	63.3			2.65
# SAMP IN STATISTICS		4			4	4		4	4		2	3
% SAMP (EXCLUDED)											33	

*=-INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON	STREAM		WATER	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
SAMPLE DATE	HOUR	UNF.TOT. MG/L AS FE	FLOW M3 /S	STREAM COND.	TEMP DEG.C	UNF.REAC MG/L AS K	TOTAL MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB
870224	1035	2.400	0.470	4 8	2.0	1.710	0.016	0.020<W	0.0095	0.740	0.030<
870428	1020	0.140	1.160	7 8	11.0	1.540	0.002<W	0.020<W	0.0040<T	0.770	0.003<
870601		0.220	0.040	7	23.0	1.240	0.036	0.020<W	0.0095	1.160	0.003<
870929	1021	27876	0.002	7		2.020	0.052	0.020<W	0.0065	1.380	
MAXIMUM		2.400	1.160		23.0	2.020	0.052	0.020	0.0095	1.380	
ARITH MEAN		0.920	0.418		12.0	1.627	0.026<A	0.020<A	0.0074<A	1.012	
GEOM MEAN		0.420	0.081		8.0	1.603	0.016<A	0.020<A	0.0070<A	0.977	
MINIMUM		0.140	0.002		2.0	1.240	0.002	0.020	0.0040	0.740	
STD DEV (GEOM *)		1.282	0.538		10.5	0.326	0.022<A	0.000<A	0.0027<A	0.311	
# SAMP IN STATISTICS		3	4		3	4	4	4	4	4	
% SAMP (EXCLUDED)											

( C O N T D )



B.O.W./ SITE: CONSECON CREEK  
 SAMPLE POINT: AT COUNTY ROAD 2 ALLISONVILLE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HE002

STATION ID: 06-0157-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: CONSECON CREEK

STORET CODE: 02  
 004  
 2640

LAT: 44 01 39.48 LONG: 077 22 01.59

U T M: 18 0310300.0 4877450.0 4

REGION: 04

DISTANCE: 14.001

*INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB TURB'ITY	ZNUT ZINC UNF.TOT.	
DATE	HOUR	SAMPLE NUMBER	UG/L PHENOL	MG/L AS P	FTU	MG/L AS ZN	
YYMMDD	LMT						
870224	1035	27813	7.60	0.2<W	0.211	3.50	0.003<
870428	1020	27831	8.10	0.6<T	0.074	2.90	0.008
870601		27840	8.43	0.8<T	0.079	1.95	0.003
870929	1021	27876	8.00	0.2<T	0.028	2.10	
MAXIMUM		8.43	0.8	0.211	3.50	0.008	
ARITH MEAN		8.03	0.4<A	0.098	2.61	0.005	
GEOM MEAN		8.03	0.4<A	0.077	2.54		
MINIMUM		7.60	0.2	0.028	1.95	0.003	
STD DEV (GEOM *)		0.34	0.3<A	0.079	0.72		
# SAMP IN STATISTICS		4	4	4	4	2	
% SAMP (EXCLUDED)						33	

## 1987 WATER QUALITY DATA REGION 4

5

B.O.W./ SITE: CONSECON CREEK  
 SAMPLE POINT: AT HIGHWAY 14  
 STATION TYPE: RIVER

STATION ID: 06-0157-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: CONSECON CREEK

STORET CODE: 02  
 004  
 2640

LAT: 44 01 51.95 LONG: 077 17 07.84

U T M: 18 0316850.0 4877650.0 4

REGION: 04

DISTANCE: 22.852

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5 BOD 5 DAY TOT.DEM. MG/L AS O	CDUT UNF.TOT. MG/L AS CD	CLIDUR CHLORIDE UNF.REAC MG/L AS CL-	COND25 CONDUCT. 25C UMHO/CM AT 25 C	CRUT CHROMIUM UNF.TOT. MG/L AS CR	CUUT COPPER UNF.TOT. MG/L AS CU	DO DISOLVED OXYGEN MG/L AS O
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03						
870224	1020	27812	0.30	0101	253.2	1.5	0.0030<	8.45	483.0	0.005<	0.004
870428	1005	27830	0.30	0101	199.4	1.3	0.0003<	5.00	375.0	0.001<	0.006
870601		27839	0.30	0101	215.7	2.7	0.0003<	4.00	395.0	0.001<	0.001
870929	1006	27875	0.30	0101	170.2	5.5	0.0003<	7.50	347.0	0.017	0.003

MAXIMUM	0.30	253.2	5.5	8.45	483.0	0.017	0.006	3.00
ARITH MEAN	0.30	209.6	2.7	6.24	400.0	0.017	0.003	1.67
GEOM MEAN		207.5	2.3	5.97	396.9		0.003	1.44
MINIMUM	0.30	170.2	1.3	4.00	347.0	0.017	0.001	1.00
STD DEV (GEOM *)		34.6	1.9	2.08	58.7		0.002	1.15
# SAMP IN STATISTICS	4	4	4	4	4	1	4	3
% SAMP (EXCLUDED)						75		

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N	NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	POTASSIM UNF.REAC MG/L AS K						
870224	1020	27812	2.200	4 8 0	1.0	1.410	0.184	0.020<T	0.0080	0.980	0.030<	7.56
870428	1005	27830	0.430	6 8	12.0	1.560	0.002<T	0.020<T	0.0050	0.950	0.003<	7.95
870601		27839	0.970	5	23.0	1.040	0.050	0.020<W	0.0105	0.550	0.003<	7.99
870929	1006	27875	3.780	5		1.630	0.316	0.020<W	0.0095	2.780	0.003<	7.74

MAXIMUM	3.780	23.0	1.630	0.316	0.020	0.0105	2.780		7.99
ARITH MEAN	1.845	12.0	1.410	0.138<A	0.020<A	0.0082	1.315		7.81
GEOM MEAN	1.365	6.5	1.390	0.049<A	0.020<A	0.0079	1.092		7.81
MINIMUM	0.430	1.0	1.040	0.002	0.020	0.0050	0.550		7.56
STD DEV (GEOM *)	1.488	11.0	0.263	0.141<A	0.000<A	0.0024	0.996		0.20
# SAMP IN STATISTICS	4	3	4	4	4	4	4		4
% SAMP (EXCLUDED)									

( C O N T D )

B.O.W./ SITE: CONSECON CREEK  
 SAMPLE POINT: AT HIGHWAY 14  
 STATION TYPE: RIVER

STATION ID: 06-0157-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: CONSECON CREEK

STORET CODE: 02  
 004  
 2640

LAT: 44 01 51.95 LONG: 077 17 07.84

U T M: 18 0316850.0 4877650.0 4

REGION: 04

DISTANCE: 22.852

*=INTERIM TEST-NAME:		PHNOL	PPUT	TURB	ZNUT	
		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR	UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	PHENOL	AS P	FTU	AS ZN	
870224	1020	27812	0.2<W	0.128	4.60	0.003
870428	1005	27830	0.6<T	0.090	1.36	0.008
870601		27839	0.4<T	0.047	2.80	0.004
870929	1006	27875	0.4<T	0.475	15.30	0.007
MAXIMUM		0.6	0.475	15.30	0.008	
ARITH MEAN		0.4<A	0.185	6.01	0.005	
GEOM MEAN		0.4<A	0.127	4.05	0.005	
MINIMUM		0.2	0.047	1.36	0.003	
STD DEV (GEOM *)		0.2<A	0.196	6.33	0.002	
# SAMP IN STATISTICS		4	4	4	4	
% SAMP (EXCLUDED)						

## 1987 WATER QUALITY DATA REGION 4

7

B.O.W./ SITE: BLOOMFIELD CREEK  
 SAMPLE POINT: AT CHURCH STREET BLOOMFIELD  
 STATION TYPE: RIVER FLOW GAUGE FED 02HE001

STATION ID: 06-0163-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: BLOOMFIELD CREEK

STORET CODE: 02  
 004  
 2460

LAT: 43 58 25.63 LONG: 077 14 49.76

U T M: 18 0319750.0 4871200.0 4

REGION: 04

DISTANCE: 5.954

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	TOT.DEM.	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
				TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
				MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
				AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
SAMPLE DATE	HOUR	SAMPLE	DEPTH	PROJECT							
YYMMDD	LMT	NUMBER	M	SUB-PROJ							
				CODE							
870224	1005	27811	0.30	0101	294.7	1.0<T	0.0030<	28.10	672.0	0.005<	0.003
870428	0955	27829	0.30	0101	227.4	1.0	0.0003<	16.65	494.0	0.001	0.027
870601		27838	0.30	0101	235.8	2.3	0.0030<	17.35	507.0	0.005<	0.003<
870929	0945	27874	0.30	0101	471.6	19.8		200.00	1500.0		1.00
		MAXIMUM	0.30		471.6	19.8		200.00	1500.0	0.001	0.027
		ARITH MEAN	0.30		307.4	6.0<A		65.52	793.2	0.001	0.015
		GEOM MEAN			293.8	2.6<A		35.70	708.8		1.44
		MINIMUM	0.30		227.4	1.0		16.65	494.0	0.001	0.003
		STD DEV (GEOM *)			113.5	9.2<A		89.80	478.1		1.15
		# SAMP IN STATISTICS	4		4	4		4		1	2
		% SAMP (EXCLUDED)								66	33
*=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON	STREAM			POTASSIM	NH3-N			K'DAHL N	
		UNF.TOT.	FLOW		WATER	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	TOTAL	LEAD
		MG/L	M3	STREAM	TEMP	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
		AS FE	/S	COND.	DEG.C	AS K	MG/L	MG/L	MG/L	MG/L	MG/L
							AS N	AS N	AS N	AS N	AS PB
SAMPLE DATE	HOUR	SAMPLE									
YYMMDD	LMT	NUMBER									
870224	1005	27811	0.200	0.088	4 8	2.0	2.410	0.132	3.980	0.0385	0.590
870428	0955	27829	0.370	0.219	6 8	10.0	1.750	0.048	1.410	0.0180	0.630
870601		27838	0.840	0.026	5 7	24.0	2.160	0.310	1.020	0.0855	1.100
870929	0945	27874		0.039	5		32.800	1.500	0.220	0.0715	7.600
		MAXIMUM	0.840	0.219		24.0	32.800	1.500	3.980	0.0855	7.600
		ARITH MEAN	0.470	0.093		12.0	9.780	0.497	1.657	0.0534	2.480
		GEOM MEAN	0.396	0.066		7.8	4.158	0.233	1.059	0.0454	1.328
		MINIMUM	0.200	0.026		2.0	1.750	0.048	0.220	0.0180	0.590
		STD DEV (GEOM *)	0.332	0.088		11.1	15.349	0.677	1.626	0.0307	3.421
		# SAMP IN STATISTICS	3	4		3	4	4	4	4	1
		% SAMP (EXCLUDED)									66

(CONTD)

B.O.W./ SITE: BLOOMFIELD CREEK  
 SAMPLE POINT: AT CHURCH STREET BLOOMFIELD  
 STATION TYPE: RIVER FLOW GAUGE FED 02HE001

STATION ID: 06-0163-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: BLOOMFIELD CREEK

STORET CODE: 02  
 004  
 2460

LAT: 43 58 25.63 LONG: 077 14 49.76

U T M: 18 0319750.0 4871200.0 4

REGION: 04

DISTANCE: 5.954

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB TURB'ITY	ZNUT ZINC UNF.TOT.
SAMPLE DATE	HR	SAMPLE NUMBER	PH	UG/L PHENOL	MG/L AS P	MG/L AS ZN
YYMMDD	LMT				FTU	
870224	1005	27811	8.07	0.2<W	0.091	4.20
870428	0955	27829	8.11	0.2<T	0.067	10.50
870601		27838	8.23	0.8<T	0.185	36.00
870929	0945	27874	7.52	38.0	1.880	30.00
MAXIMUM			8.23	38.0	1.880	36.00
ARITH MEAN			7.98	9.8<A	0.556	20.17
GEOM MEAN			7.98	1.1<A	0.215	14.77
MINIMUM			7.52	0.2	0.067	4.20
STD DEV (GEOM *)			0.32	18.8<A	0.884	15.23
# SAMP IN STATISTICS			4	4	4	4
% SAMP (EXCLUDED)						3

## 1987 WATER QUALITY DATA REGION 4

9

B.O.W./ SITE: BLACK RIVER  
 SAMPLE POINT: AT COUNTY ROAD 17  
 STATION TYPE: RIVER

STATION ID: 06-0172-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: BLACK RIVER

STORET CODE: 02  
 004  
 2010

LAT: 43 56 04.08 LONG: 077 05 21.56 U T M: 18 0332300.0 4866500.0 4 REGION: 04 DISTANCE: 7.725

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE DEPTH NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	TOT.DEM. MG/L AS O	UNF.TOT. MG/L AS CD	UNF.REAC MG/L AS CL-	UMHO/CM AT 25 C	UNF.TOT. MG/L AS CR	UNF.TOT. MG/L AS CU	OXYGEN MG/L AS O
870224	0940	27810	0101	278.9	0.3<T	0.0030<	11.60	538.0	0.005<	0.003<	
870428	0920	27828	0101	217.9	1.0<T	0.0003<	3.00	402.0	0.001<	0.001	4.00
870601		27837	0101	222.7	1.2	0.0003<	3.00	400.0	0.001<	0.007	7.00
870929	0911	27873	0101	119.6	1.2		3.65	242.0			5.00
MAXIMUM		0.30		278.9	1.2		11.60	538.0		0.007	7.00
ARITH MEAN		0.30		209.8	0.9<A		5.31	395.5		0.004	5.33
GEOM MEAN				200.6	0.8<A		4.42	380.4			5.19
MINIMUM		0.30		119.6	0.3		3.00	242.0		0.001	4.00
STD DEV (GEOM *)				66.2	0.4<A		4.20	121.0			1.53
# SAMP IN STATISTICS		4		4	4		4	4		2	3
% SAMP (EXCLUDED)										33	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	PH
		IRON			POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD	
SAMPLE DATE YYMMDD	HOUR LMT	UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB	PH
870224	0940	0.200	4 8	1.0	1.490	0.070	0.185	0.0085	0.410	0.030<	7.98
870428	0920	0.220	6 8	14.0	1.220	0.034	0.020<W	0.0020<T	0.520	0.005	8.35
870601		0.150	7	24.0	0.860	0.072	0.020<W	0.0065	0.600	0.003<	8.55
870929	0911	27873	8		1.190	0.076	0.020<W	0.0055	0.800		8.33
MAXIMUM		0.220		24.0	1.490	0.076	0.185	0.0085	0.800	0.005	8.55
ARITH MEAN		0.190		13.0	1.190	0.063	0.061<A	0.0056<A	0.582	0.005	8.30
GEOM MEAN		0.188		7.0	1.168	0.060	0.035<A	0.0050<A	0.566		8.30
MINIMUM		0.150		1.0	0.860	0.034	0.020	0.0020	0.410	0.005	7.98
STD DEV (GEOM *)		0.036		11.5	0.258	0.019	0.082<A	0.0027<A	0.165		0.24
# SAMP IN STATISTICS		3		3	4	4	4	4	4	1	4
% SAMP (EXCLUDED)										66	

( C O N T D )

B.O.W./ SITE: BLACK RIVER  
 SAMPLE POINT: AT COUNTY ROAD 17  
 STATION TYPE: RIVER

STATION ID: 06-0172-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: BLACK RIVER

STORET CODE: 02  
 004  
 2010

LAT: 43 56 04.08 LONG: 077 05 21.56 U T M: 18 0332300.0 4866500.0 4 REGION: 04 DISTANCE: 7.725

*=INTERIM TEST-NAME:		PHNOL	PPUT	TURB	ZNUT	
		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR	UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	PHENOL	AS P	FTU	AS ZN	
870224	0940	27810	0.2<W	0.038	2.20	0.017
870428	0920	27828	0.2<W	0.049	4.70	0.011
870601		27837	0.2<T	0.038	2.60	0.013
870929	0911	27873	1.0	0.097	2.40	
MAXIMUM		1.0	0.097	4.70	0.017	
ARITH MEAN		0.4<A	0.055	2.97	0.014	
GEOM MEAN		0.3<A	0.051	2.83	0.013	
MINIMUM		0.2	0.038	2.20	0.011	
STD DEV (GEOM *)		0.4<A	0.028	1.16	0.003	
# SAMP IN STATISTICS		4	4	4	3	
% SAMP (EXCLUDED)						

## 11

STORET CODE: 02  
004  
0080

**DISTANCE: 6.437**

MAXIMUM	0.30	214.7	2.8	32.20	510.0	0.002	0.038	14.00
ARITH MEAN	0.30	141.5	1.3<A	17.06	333.3	0.002	0.006<A	11.39
GEOM MEAN		138.9		16.37	328.0			11.25
MINIMUM	0.30	107.8	0.8	11.30	272.0	0.002	0.001	8.40
STD DEV (GEOM *)		30.7		5.88	68.5			1.84
# SAMP IN STATISTICS	10	10	9	10	10	4	8	10
% SAMP (EXCLUDED)			10			60	20	

*INTERIM		TEST-NAME:	FCMF FECAL COLIFORM	FEUT IRON UNF. TOT.	FSMF FECAL STREPCUS	FWSTRC	FWTEMP WATER TEMP	HGUT MERCURY UNF. TOT.	KKUR POTASSIM UNF. REAC	NNHTFR NH3-N TOTAL FIL. REAC	NNOTFR NO2+NO3N FIL. REAC	NNO2FR NO2-N FIL. REAC
SAMPLE DATE	HRUR LMT	SAMPLE NUMBER	MF CNT /100ML	MG/L AS FE	MF CNT /100ML	STREAM COND.	DEG.C	UG/L AS HG	MG/L AS K	MG/L AS N	MG/L AS N	MG/L AS N
870202	1500	28527		0.100		4 8		0.01	2.380	0.284	0.220	0.0255
870309	1330	28652		0.220		3 8		0.01<	1.930	0.258	0.415	0.0200
870406	1230	28677		0.062		3 8	5.0	0.01	1.570	0.006<T	0.055<T	0.0105
870504	1000	28702		0.050		8	9.0	0.01<	1.440	0.006<T	0.175	0.0065
870706	1230	28752		0.057		7 8 9	26.0		1.200	0.052	0.040<T	0.0035<T
870810	1145	28777		0.063		5 7 8	24.0	0.01	1.060	0.018	0.025<T	0.0040<T
870916	0915	28802		0.088			17.0	0.01	1.440	0.034	0.095<T	0.0090
871005	1515	28827		0.031		6 8	13.0	0.06	1.860	0.024	0.055<T	0.0060
871102	1025	28838		0.078		6 8	7.0	0.09	1.680	0.034	0.125	0.0035<T
871214	1145	28852	6	0.011	2<	6 8	2.0	0.05	1.520	0.002<W	0.205	0.0035<T

( C O N T D )



B.O.W./ SITE: MILLHAVEN CREEK  
 SAMPLE POINT: FIRST CONCESSION ROAD SOUTH OF ODESSA  
 STATION TYPE: RIVER

STATION ID: 06-0180-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MILLHAVEN CREEK

STORET CODE: 02  
 004  
 0080

LAT: 44 15 42.14 LONG: 076 43 38.77 U T M: 18 0362110.0 4902175.0 4 REGION: 04 DISTANCE: 6.437

*=INTERIM TEST-NAME:		FCMF FECAL COLIFORM MF CNT /100ML	FEUT IRON UNF.TOT. MG/L AS FE	FSMF FECAL STREPCUS MF CNT /100ML	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C	HGUT MERCURY UNF.TOT. UG/L AS HG	KKUR POTASSIM UNF.REAC MG/L AS K	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER									
		MAXIMUM	6	0.220		26.0	0.09	2.380	0.284	0.415	0.0255
		ARITH MEAN	6	0.076		12.9	0.03	1.608	0.072<A	0.141<A	0.0092<A
		GEOM MEAN		0.060		9.8		1.569	0.026<A	0.102<A	0.0071<A
		MINIMUM	6	0.011		2.0	0.01	1.060	0.002	0.025	0.0035
		STD DEV (GEOM *)		0.057		8.8		0.380	0.106<A	0.119<A	0.0076<A
		# SAMP IN STATISTICS	1	10		8	7	10	10	10	10
		% SAMP (EXCLUDED)					22				

*=INTERIM TEST-NAME:		NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER						
870202	1500	28527	0.910	0.003	8.07	0.034	3.00	0.020
870309	1330	28652	0.490	0.003	7.39	0.068	2.10	0.062
870406	1230	28677	0.340	0.003<	8.28	0.019	2.20	0.050
870504	1000	28702	0.670	0.003<	8.36	0.040	1.51	0.006
870706	1230	28752	0.850	0.003<	8.73	0.070	1.25	0.003
870810	1145	28777	0.940	0.003	8.75	0.053	3.70	0.001<W
870916	0915	28802	0.900	0.003<	8.24	0.051	2.50	0.002
871005	1515	28827	0.780	0.003<	8.75	0.107	0.98	0.002<
871102	1025	28838	0.660	0.003<	8.38	0.029	1.00	0.004
871214	1145	28852	0.350	0.003<	8.22	0.044	1.05	0.001
		MAXIMUM	0.940	0.003	8.75	0.2	0.107	0.062
		ARITH MEAN	0.689	0.003	8.32	0.2<A	0.051	0.017<A
		GEOM MEAN	0.649		8.31	0.2<A	0.046	
		MINIMUM	0.340	0.003	7.39	0.2	0.019	0.001
		STD DEV (GEOM *)	0.228		0.41	0.0<A	0.025	
		# SAMP IN STATISTICS	10	3	10	4	10	9
		% SAMP (EXCLUDED)		70				10

## 1987 WATER QUALITY DATA REGION 4

13

B.O.W./ SITE: MILLHAVEN CREEK  
 SAMPLE POINT: AT COUNTY ROAD 6  
 STATION TYPE: RIVER

STATION ID: 06-0180-005-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MILLHAVEN CREEK

STORET CODE: 02  
 004  
 0080

LAT: 44 17 07.80 LONG: 076 43 00.22 U T M: 18 0363020.0 4904800.0 4 REGION: 04 DISTANCE: 10.782

*=-INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	
					ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	
					TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	
					MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	
					AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	
SAMPLE	DATE HOUR	SAMPLE	SAMPLE	WATER	PROJECT							
Y Y M M D D	L M T	NUMBER	DEPTH	DEPTH	SUB-PROJ							
			M	M	CODE							
870202	1530	28426	0.30		0101	194.7	0.7<T	0.0003<	16.30	471.0	0.001	0.059
870309	1300	28651	0.30		0101	180.9	1.1	0.0003<	15.20	360.0	0.001	0.005
870406	1100	28676	0.30		0101	141.9	0.8<T	0.0003<	11.40	314.0	0.001<	0.001
870504	0915	28701	0.30		0101	145.3	1.5	0.0003<	10.85	315.0	0.001<	0.001<W
870706	1115	28751	0.30		0101	113.3	3.7	0.0003<	12.35	265.0	0.001<	0.001
870810	1100	28776	0.30	2.20	0101	103.4	0.4<T	0.0003	13.40	250.0	0.001<	0.001
870914	1130	28801	0.30		0101	108.0	1.2	0.0003<	13.45	263.0	0.002	0.001
871005	1330	28826	0.30		0101	121.9	0.9<T	0.0003<	13.60	295.0	0.002	0.002
871102	1100	28837	0.30		0101	133.1	1.1	0.0003<	14.90	325.0	0.002	0.002
871214	1115	28851	0.30		0101	145.3	1.6	0.0003<	9.80	321.0	0.002	0.002
MAXIMUM		0.30	2.20			194.7	3.7	0.0003	16.30	471.0	0.002	0.059
ARITH MEAN		0.30	2.20			138.8	1.3<A	0.0003	13.12	317.9	0.002	0.007<A
GEOM MEAN						136.0	1.1<A		12.98	312.9		0.002<A
MINIMUM		0.30	2.20			103.4	0.4	0.0003	9.80	250.0	0.001	0.001
STD DEV (GEOM *)						30.1	0.9<A		2.05	63.5		0.018<A
# SAMP IN STATISTICS		10	1			10	10	1	10	10	6	10
% SAMP (EXCLUDED)								90			40	

*=-INTERIM TEST-NAME:		DO	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNQ2FR	NNTKUR
		DISOLVED	IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N
		OXYGEN	UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	TOTAL
		MG/L	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L
		AS O	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N
SAMPLE	DATE HOUR	SAMPLE									
Y Y M M D D	L M T	NUMBER									
870202	1530	28426	2.20	0.088	4 8	0.01	2.420	0.262	0.130	0.0175	0.890
870309	1300	28651	8.60	0.099	4 8	0.02	2.040	0.326	0.435	0.0195	0.500
870406	1100	28676	9.60	0.068	3 8	5.0	0.01	1.720	0.002<T	0.040<T	0.370
870504	0915	28701	10.00	0.040<	8	9.0	NO DATA LA	1.370	0.016	0.025<T	0.0030<T
870706	1115	28751	9.80	0.100	5 8	25.0		1.090	0.082	0.020<W	0.0020<T
870810	1100	28776		0.001<	5 7 8	10.0	0.01	0.940	0.070	0.025<T	0.0045<T
870914	1130	28801	6.10	0.039	7 8 9	19.0	0.02	1.510	0.142	0.020<T	0.0050
871005	1330	28826	13.00	0.028	8	13.0	0.01	1.730	0.042	0.045<T	0.0115
871102	1100	28837	12.40	0.015	8	6.0	0.08	1.640	0.054	0.025<T	0.0035<T
871214	1115	28851	12.70	0.003<	8	1.5	0.04	1.530	0.008<T	0.170	0.0045<T

( C O N T D )

B.O.W./ SITE: MILLHAVEN CREEK  
 SAMPLE POINT: AT COUNTY ROAD 6  
 STATION TYPE: RIVER

STATION ID: 06-0180-005-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MILLHAVEN CREEK

STORET CODE: 02  
 004  
 0080

LAT: 44 17 07.80 LONG: 076 43 00.22 U T M: 18 0363020.0 4904800.0 4 REGION: 04 DISTANCE: 10.782

*=INTERIM TEST-NAME:		DO	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTR	NNOTFR	NNO2FR	NNTKUR
		DISOLVED	IRON			MERCURY	POTASSIM	NH3-N		NO2-N	K'DAHL N
		OXYGEN	UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	NO2+NO3N	FIL.REAC	TOTAL
SAMPLE		MG/L	MG/L	STREAM	TEMP	UG/L	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC
DATE	HOUR	AS O	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N
YYMMDD	LMT										

	MAXIMUM	13.00	0.100		25.0	0.08	2.420	0.326	0.435	0.0195	0.890
	ARITH MEAN	9.38	0.062		11.1	0.02	1.599	0.100<A	0.093<A	0.0081<A	0.682
	GEOM MEAN	8.46			8.4	0.02	1.546	0.046<A	0.051<A	0.0062<A	0.653
	MINIMUM	2.20	0.015		1.5	0.01	0.940	0.002	0.020	0.0020	0.370
	STD DEV (GEOM *)	3.48			7.7	0.02	0.430	0.111<A	0.131<A	0.0063<A	0.197
	# SAMP IN STATISTICS	9	7		8	8	10	10	10	10	10
	% SAMP (EXCLUDED)		30								

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT
		LEAD		PHENOLS	PHOSPHOR		ZINC
		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.
SAMPLE		MG/L		UG/L	MG/L	TURB'ITY	MG/L
DATE	HOUR	AS PB	PH	PHENOL	AS P	FTU	AS ZN
YYMMDD	LMT						

870202	1530	28426	0.003<	7.78	0.2<W	0.025	1.94	0.030
870309	1300	28651	0.003<	7.61	0.4<T	0.398	1.74	0.010
870406	1100	28676	0.003<	8.25	0.2<W	0.021	2.50	0.008
870504	0915	28701	0.003<	8.36	0.8<T	0.025	2.70	0.050
870706	1115	28751	0.003<	8.34	0.2<T	0.037	1.43	0.005
870810	1100	28776	0.003<	8.64	0.4<T	0.016	1.74	0.001<W
870914	1130	28801	0.003<	8.25	0.4<T	0.029	1.50	0.002
871005	1330	28826	0.003<	8.48	0.8<T	0.055	0.78	0.004
871102	1100	28837	0.003<	8.30	0.2<T	0.015	1.30	0.003
871214	1115	28851	0.003<	8.13		0.011	1.50	0.006

	MAXIMUM		8.64	0.8	0.398	2.70	0.050
	ARITH MEAN		8.21	0.4<A	0.063	1.71	0.012<A
	GEOM MEAN		8.21	0.3<A	0.031	1.63	0.006<A
	MINIMUM		7.61	0.2	0.011	0.78	0.001
	STD DEV (GEOM *)		0.31	0.2<A	0.118	0.56	0.016<A
	# SAMP IN STATISTICS		10	9	10	10	10
	% SAMP (EXCLUDED)						

B.O.W./ SITE: LITTLE CATARAQUI CREEK  
 SAMPLE POINT: HIGHWAY 2, 1 MILE SOUTHEAST OF CATARAQUI  
 STATION TYPE: RIVER

STATION ID: 12-0002-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: LITTLE CATARAQUI CREEK

STORET CODE: 02  
 004  
 0010

LAT: 44 15 07.44 LONG: 076 32 08.30 U T M: 18 0377400.0 4900800.0 4 REGION: 04 DISTANCE: 4.345

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY TOT.DEN.	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O
SAMPLE DATE YYMMDD	HR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03						
870202	1430	28528	0.30	0101	267.4	1.0	0.0030<	91.00	816.0	0.005<	7.60
870309	1430	28653	0.30	0101	122.4	1.9	0.0003	30.20	332.0	0.001	12.20
870406	1400	28678	0.30	0101	157.3	0.7<T	0.0003<	38.10	440.0	0.001	9.60
870504	1330	28703	0.30	0101	185.7	1.5	0.0003<	52.75	538.0	0.001<	10.20
870706	1400	28753	0.30	0101	200.7	1.5	0.0003<	87.50	663.0	0.001	7.00
870810	1315	28778	0.30	0101	206.3	1.1	0.0200	89.00	689.0	0.001	7.00
870916	1000	28803	0.30	0101	218.3	1.0<T	0.0003<	72.00	708.0	0.004	5.00
871005	1600	28828	0.30	0101	208.2	0.8<T	0.0003<	73.00	683.0	0.003	11.20
871102	1000	28839	0.30	0101	204.3	0.8<T	0.0003<	56.30	641.0	0.004	9.40
871214	1400	28853	0.30	0101	182.9	0.9<T	0.0003<	34.80	506.0	0.002	13.40
MAXIMUM		0.30			267.4	1.9	0.0200	91.00	816.0	0.004	13.40
ARITH MEAN		0.30			195.3	1.1<A	0.0101	62.46	601.6	0.002	9.26
GEOM MEAN					191.8	1.1<A		58.16	583.7		8.91
MINIMUM		0.30			122.4	0.7	0.0003	30.20	332.0	0.001	5.00
STD DEV (GEOM *)					38.2	0.4<A		23.28	144.9		2.62
# SAMP IN STATISTICS		10			10	10	2	10	10	8	10
% SAMP (EXCLUDED)							80			20	

*INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON UNF.TOT. MG/L AS FE		WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	NH3-N TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	K'DAHL N UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB
SAMPLE DATE YYMMDD	HR LMT	SAMPLE NUMBER	STREAM COND.								
870202	1430	28528	4 8 9		0.01	2.660	0.248	0.325	0.0175	0.790	0.030<
870309	1430	28653	3 8		0.01	2.310	0.160	0.505	0.0210	0.600	0.005
870406	1400	28678	3 8	7.0	0.04	2.120	0.006<T	0.210	0.0120	0.410	0.003<
870504	1330	28703	8	13.0	0.01	1.760	0.004<T	0.020<T	0.0020<T	0.550	0.003<
870706	1400	28753	5 7 9	27.0		2.000	0.050	0.020<W	0.0030<T	0.690	0.004
870810	1315	28778	5 8	21.0	0.01	2.750	0.088	0.080<T	0.0120	0.400<TE	0.009
870916	1000	28803	8	17.0	0.01	3.780	0.048	0.030<T	0.0090	0.680	0.004
871005	1600	28828	6 8	14.0	0.07	3.380	0.026	0.040<T	0.0060	0.580	0.003<
871102	1000	28839	6 8	5.0	0.12	2.950	0.074	0.025<T	0.0030<T	0.560	0.003<
871214	1400	28853	8	3.0	0.05	2.250	0.010	0.415	0.0085	0.370	0.003<

( C O N T D )

B.O.W./ SITE: LITTLE CATARAQUI CREEK  
 SAMPLE POINT: HIGHWAY 2, 1 MILE SOUTHEAST OF CATARAQUI  
 STATION TYPE: RIVER

STATION ID: 12-0002-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: LITTLE CATARAQUI CREEK

STORET CODE: 02  
 004  
 0010

LAT: 44 15 07.44 LONG: 076 32 08.30

U T M: 18 0377400.0 4900800.0 4

REGION: 04

DISTANCE: 4.345

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.
SAMPLE DATE YYMMDD	HOUR LMT	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB
		MAXIMUM	1.300	27.0	0.12	3.780	0.248	0.505	0.0210	0.790	0.009
		ARITH MEAN	0.557	13.4	0.04	2.596	0.071<A	0.167<A	0.0094<A	0.563<A	0.005
		GEOM MEAN	0.477	10.8	0.02	2.529	0.036<A	0.082<A	0.0073<A	0.547<A	
		MINIMUM	0.210	3.0	0.01	1.760	0.004	0.020	0.0020	0.370	0.004
		STD DEV (GEOM *)	0.334	8.2	0.04	0.637	0.078<A	0.185<A	0.0063<A	0.138<A	
		# SAMP IN STATISTICS	10	8	9	10	10	10	10	10	4
		% SAMP (EXCLUDED)									60

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PH	PHENOL	AS P	AS ZN
870202	1430	28528	8.02	1.2	0.057	18.50
870309	1430	28653	7.43	0.6<T	0.077	15.20
870406	1400	28678	8.27	0.2<W	0.030	11.80
870504	1330	28703	8.20	1.2	0.062	9.20
870706	1400	28753	8.05	0.2<T	0.120	9.20
870810	1315	28778	8.13	0.2<W	0.065	19.20
870916	1000	28803	8.19	0.2<W	0.091	6.00
871005	1600	28828	8.23	0.2<W	0.077	2.80
871102	1000	28839	7.96	0.2<W	0.039	4.30
871214	1400	28853	8.17		0.026	5.10
		MAXIMUM	8.27	1.2	0.120	19.20
		ARITH MEAN	8.06	0.5<A	0.064	10.13
		GEOM MEAN	8.06	0.3<A	0.058	8.51
		MINIMUM	7.43	0.2	0.026	2.80
		STD DEV (GEOM *)	0.24	0.4<A	0.029	5.89
		# SAMP IN STATISTICS	10	9	10	10
		% SAMP (EXCLUDED)				

## 1987 WATER QUALITY DATA REGION 4

17

B.O.W./ SITE: LITTLE CATARAQUI CREEK  
 SAMPLE POINT: AT RESERVOIR OUTLET DAM  
 STATION TYPE: RIVER

STATION ID: 12-0002-008-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: LITTLE CATARAQUI CREEK

STORET CODE: 02  
 004  
 0010

LAT: 44 16 38.70 LONG: 076 31 30.08

U T M: 18 0378300.0 4903600.0 4

REGION: 04

DISTANCE: 8.207

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISSOLVED
SAMPLE		SAMPLE	PROJECT	ALK	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HOUR	DEPTH	SUB-PROJ	TOTAL	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870203	0825	28425	0101	194.6	1.1	0.0030<	22.10	471.0	0.005<	0.029	5.40
870309	0900	28650	0101	108.2	3.0	0.0003<	11.80	258.0	0.001	0.002	10.70
870406	0830	28675	0101	146.8	1.0<T	0.0003<	13.70	344.0	0.001	0.002	6.40
870504	1145	28700	0101	130.5	4.9	0.0003<	16.35	314.0	0.001	0.005	10.70
870706	0915	28750	0101	117.9	4.0<T	0.0003<	20.15	303.0	0.001<	0.002	7.60
870810	0930	28775	0101	154.3	2.5	0.0003<	23.70	375.0	0.001<	0.001	7.00
870914	0915	28800	0101	152.3	2.0	0.0003<	25.60	385.0	0.003	0.001	4.80
871005	1115	28825	0101	174.2	1.9	0.0003<	27.00	442.0	0.003	0.025	10.20
871102	1155	28836	0101	185.3	1.4	0.0003<	28.00	508.0	0.003	0.005	13.40
871214	0930	28850	0101	162.2	1.3	0.0003<	13.90	400.0	0.003	0.002	12.40
MAXIMUM		0.30		194.6	4.9		28.00	508.0	0.003	0.029	13.40
ARITH MEAN		0.30		152.6	2.3<A		20.23	380.0	0.002	0.007	8.86
GEOM MEAN				150.2	2.0<A		19.39	372.6		0.004	8.38
MINIMUM		0.30		108.2	1.0		11.80	258.0	0.001	0.001	4.80
STD DEV (GEOM *)				28.1	1.3<A		5.96	78.5		0.010	3.00
# SAMP IN STATISTICS		10		10	10		10	10	7	10	10
% SAMP (EXCLUDED)									30		
*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
SAMPLE		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
DATE	HOUR	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870203	0825	0.260	4 8	1.0	0.01	2.810	0.306	0.230	0.0120	0.810	0.030<
870309	0900	0.790	3 4 8	1.0	0.04	2.280	0.200	0.545	0.0235	0.520	0.003<
870406	0830	1.000	3 8	4.0	0.04	2.130	0.024	0.225	0.0150	0.480	0.004
870504	1145	0.760	8	11.0	0.01<	1.550	0.002<T	0.025<T	0.0025<T	0.030<T	0.003<
870706	0915	0.270	5 7 8	24.0		1.890	0.798	0.020<W	0.0035<T	1.860	0.003<
870810	0930	0.300	5 8	21.0	0.01	2.350	0.326	0.025<T	0.0045<T	1.680	0.004
870914	0915	0.290	5 7 9	19.0	0.01	2.340	0.302	0.040<T	0.0215	1.290	0.003<
871005	1115	0.260	6 8	13.0	0.01	2.860	0.194	0.050<T	0.0160	1.230	0.003<
871102	1155	0.330	8	8.0	0.13	3.320	0.134	0.020<W	0.0035<T	0.890	0.003<
871214	0930	0.370	8	2.0	0.06	2.300	0.044	0.475	0.0110	0.470	0.003<

( C O N T D )

B.O.W./ SITE: LITTLE CATARAQUI CREEK  
 SAMPLE POINT: AT RESERVOIR OUTLET DAM  
 STATION TYPE: RIVER

STATION ID: 12-0002-008-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: LITTLE CATARAQUI CREEK

STORET CODE: 02  
 004  
 0010

LAT: 44 16 38.70 LONG: 076 31 30.08

U T M: 18 0378300.0 4903600.0 4

REGION: 04

DISTANCE: 8.207

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	AS PB
			MAXIMUM		24.0	0.13	3.320	0.798	0.545	0.0235	1.860	0.004
			ARITH MEAN		10.4	0.04	2.383	0.233<A	0.165<A	0.0113<A	0.926<A	0.004
			GEOM MEAN		6.2		2.334	0.110<A	0.076<A	0.0086<A	0.646<A	
			MINIMUM		1.0	0.01	1.550	0.002	0.020	0.0025	0.030	0.004
			STD DEV (GEOM *)		8.6		0.507	0.232<A	0.200<A	0.0077<A	0.583<A	
			# SAMP IN STATISTICS		10	8	10	10	10	10	10	2
			% SAMP (EXCLUDED)			11						80

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PH	AS P	FTU	AS ZN
870203	0825	28425	7.73	0.045	4.40	0.006
870309	0900	28650	7.84	0.047	16.50	0.007
870406	0830	28675	8.25	0.045	24.00	0.011
870504	1145	28700	8.72	0.004<T	11.40	0.001<
870706	0915	28750	7.99	0.210	5.70	0.003
870810	0930	28775	8.16	0.102	11.30	0.001
870914	0915	28800	8.18	0.081	7.00	0.002
871005	1115	28825	8.23	0.066	3.20	0.005
871102	1155	28836	8.32	0.049	4.50	0.011
871214	0930	28850	8.12	0.029	8.10	0.007
			MAXIMUM		24.00	0.011
			ARITH MEAN		9.61	0.006
			GEOM MEAN		7.98	
			MINIMUM		3.20	0.001
			STD DEV (GEOM *)		6.49	
			# SAMP IN STATISTICS		10	9
			% SAMP (EXCLUDED)			10

B.O.W./ SITE: CATARAQUI RIVER  
 SAMPLE POINT: HIGHWAY 2, KINGSTON (CENTRE)  
 STATION TYPE: RIVER

STATION ID: 12-0004-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: CATARAQUI RIVER

STORET CODE: 02  
 005  
 1770

LAT: 44 09 44.66 LONG: 076 28 23.81 U T M: 18 0382200.0 4890750.0 4 REGION: 04 DISTANCE: 0.805

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
SAMPLE DATE	HR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	TOT.DEM. MG/L AS O	UNF.TOT. MG/L AS CD	UNF.REAC MG/L AS CL-	25C UMHO/CM AT 25 C	UNF.TOT. MG/L AS CR	UNF.TOT. MG/L AS CU	OXYGEN MG/L AS O
870202	1345	28529	0.30	0101	102.3	0.7<T	0.0003<	9.50	253.0	0.001<	0.002	11.80
870310	0835	28655	0.30	0101	104.2	1.3	0.0003<	7.70	232.0	0.001	0.003	12.20
870407	1430	28679	0.30	0101	93.9	1.3	0.0003<	11.00	236.0	0.001	0.002	11.40
870504	1430	28704	0.30	0101	97.3	1.1	0.0003<	14.95	267.0	0.001	0.001	11.30
870706	1530	28754	0.30	0101	99.4	1.6	0.0003<	15.95	278.0	0.001	0.002	10.60
870810	1445	28779	0.30	0101	91.1	2.2	0.0003<	19.85	282.0	0.002	0.003	7.80
870916	1030	28804	0.30	0101	90.4	1.7	0.0003<	14.50	252.0	0.002	0.002	8.20
871006	1645	28829	0.30	0101	91.5	2.1	0.0003<	10.30	233.0	0.003	0.007	11.00
871102	1305	28840	0.30	0101	95.6	1.1	0.0003<	13.20	259.0	0.003	0.002	11.20
MAXIMUM		0.30			104.2	2.2		19.85	282.0	0.003	0.007	12.20
ARITH MEAN		0.30			96.2	1.5<A		12.99	254.7	0.002	0.003	10.61
GEOM MEAN					96.1	1.4<A		12.51	254.1		0.002	10.50
MINIMUM		0.30			90.4	0.7		7.70	232.0	0.001	0.001	7.80
STD DEV (GEOM *)					5.0	0.5<A		3.76	18.7		0.002	1.55
# SAMP IN STATISTICS		9			9	9		9	9	8	9	9
% SAMP (EXCLUDED)										11		

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD
SAMPLE DATE	HR	UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	UNF.TOT. UG/L AS HG	UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB
870202	1345	0.058	4 8	0.5	0.01	1.540	0.050	0.080<T	0.0055	0.580	0.003<
870310	0835	0.350	8	2.0	0.01<	1.570	0.068	0.230	0.0085	0.450	0.003<
870407	1430	0.400	8	8.5	0.02	1.730	0.022	0.090<T	0.0090	0.510	0.003<
870504	1430	0.100	8	10.0		1.400	0.038	0.115	0.0030<T	0.450	0.003<
870706	1530	0.093	5 8	24.0		1.410	0.202	0.020<W	0.0020<T	0.690	0.003<
870810	1445	0.190	5 8 9	22.5	0.01	1.370	0.120	0.040<T	0.0070	0.560	0.003<
870916	1030	0.160	5 8	19.0	0.01<	1.250	0.118	0.045<T	0.0075	0.640	0.003<
871006	1645	0.200	5 8	14.0	0.06	1.240	0.076	0.070<T	0.0075	0.740	0.003<
871102	1305	0.150	8	8.0	0.09	1.460	0.072	0.160	0.0055	0.540	0.003<
MAXIMUM		0.400		24.0	0.09	1.730	0.202	0.230	0.0090	0.740	
ARITH MEAN		0.189		12.1	0.04	1.441	0.085	0.094<A	0.0062<A	0.573	
GEOM MEAN		0.160		7.7		1.434	0.071	0.075<A	0.0056<A	0.566	
MINIMUM		0.058		0.5	0.01	1.240	0.022	0.020	0.0020	0.450	
STD DEV (GEOM *)		0.116		8.5		0.156	0.055	0.066<A	0.0024<A	0.101	
# SAMP IN STATISTICS		9		9	5	9	9	9	9	9	
% SAMP (EXCLUDED)					28						

( C O N T D )



B.O.W./ SITE: CATARAQUI RIVER  
 SAMPLE POINT: HIGHWAY 2, KINGSTON (CENTRE)  
 STATION TYPE: RIVER

STATION ID: 12-0004-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: CATARAQUI RIVER

STORET CODE: 02  
 005  
 1770

LAT: 44 09 44.66 LONG: 076 28 23.81 U T M: 18 0382200.0 4890750.0 4 REGION: 04 DISTANCE: 0.805

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSP RESIDUE PARTIC. MG/L	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	PH	PHENOL	AS P	TURB'ITY FTU	AS ZN
870202	1345	28529	8.05	0.2<W	0.013	1.1<T	0.001<
870310	0835	28655	7.48	0.2<T	0.022	1.6<T	0.007
870407	1430	28679	8.18	0.2<W	0.041	12.4	0.006
870504	1430	28704	8.30	1.0	0.031	12.20	0.039
870706	1530	28754	8.40	1.0	0.059	3.20	0.005
870810	1445	28779	8.44	0.2<W	0.051	6.1	0.001<W
870916	1030	28804	8.18	0.2<W	0.047	7.50	0.003
871006	1645	28829	8.27	0.2<W	0.098	6.6	0.004
871102	1305	28840	8.15	0.2<T	0.048	10.7	0.003
		MAXIMUM	8.44	1.0	0.098	5.6	0.039
		ARITH MEAN	8.16	0.4<A	0.046	12.20	0.008<A
		GEOM MEAN	8.16	0.3<A	0.040	6.2<A	
		MINIMUM	7.48	0.2	0.013	5.44	
		STD DEV (GEOM *)	0.28	0.4<A	0.025	4.44	0.001
		# SAMP IN STATISTICS	9	9	9	3.8<A	8
		% SAMP (EXCLUDED)				3.54	11

B.O.W./ SITE: CATARAQUI RIVER  
 SAMPLE POINT: AT DAM, KINGSTON MILLS  
 STATION TYPE: RIVER

STATION ID: 12-0004-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: CATARAQUI RIVER

STORET CODE: 02  
 005  
 1770

LAT: 44 17 37.72 LONG: 076 26 28.15 U T M: 18 0385025.0 4905300.0 4 REGION: 04 DISTANCE: 8.207

*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
						BOD						
						5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
						TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
						MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
						AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
SAMPLE	DATE	TIME	SAMPLE	PROJECT	ALK							
DATE	TIME		DEPTH	SUB-PROJ	TOTAL							
YYMMDD	LMT		M	CODE	MG/L							
YYMMDD	LMT	SAMPLE	DEPTH	SUB-PROJ	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870202	1315	28530	0.30	0101	101.4	0.4<T	0.0003<	7.35	240.0	0.001<	0.001	10.40
870310	1330	28654	0.30	0101	103.2	2.0	0.0003<	14.10	254.0	0.001<	0.002	10.20
870407	1345	28680	0.30	0101	93.1	1.5	0.0003<	9.75	227.0	0.001	0.002	11.70
870504	1515	28705	0.30	0101	97.0	1.3	0.0003<	6.25	266.0	0.001<	0.002	10.80
870706	1615	28755	0.30	0101	94.0	1.4	0.0003<	5.50	215.0	0.001<	0.001	9.00
870812	0800	28780	0.30	0101	81.4	5.3	0.0060<	5.85	188.0	0.020<	0.020<	
870916	0730	28805	0.30	0101	85.8	2.5	0.0003<	6.00	202.0	0.002	0.002	6.40
871006	1730	28830	0.30	0101	85.9	2.9	0.0003<	5.75	199.0	0.002	0.002	9.80
871102	1335	28841	0.30	0101	88.5	1.3	0.0003<	6.40	213.0	0.002	0.011	11.00
871214	1530	28855	0.30	0101	96.0	1.4	0.0003<	7.80	233.0	0.001	0.002	14.60
MAXIMUM			0.30		103.2	5.3		14.10	266.0	0.002	0.011	14.60
ARITH MEAN			0.30		92.6	2.0<A		7.47	223.7	0.002	0.003	10.43
GEOM MEAN					92.4	1.7<A		7.15	222.5			10.22
MINIMUM			0.30		81.4	0.4		5.50	188.0	0.001	0.001	6.40
STD DEV (GEOM *)					7.1	1.4<A		2.66	25.0			2.19
# SAMP IN STATISTICS			10		10	10		10	10	5	9	9
% SAMP (EXCLUDED)										50	10	

*=INTERIM		TEST-NAME:	FCMF	FEUT	FSMF	FMPH	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR
			FECAL		FECAL						NH3-N	
			COLIFORM	IRON	STREPCUS				MERCURY	POTASSIM	TOTAL	NO2+NO3N
			MF	UNF.TOT.	MF				UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC
			CNT	MG/L	CNT				UG/L	MG/L	MG/L	MG/L
			/100ML	AS FE	/100ML	PH	STREAM	WATER	AS HG	AS K	AS N	AS N
						FIELD	COND.	TEMP				
								DEG.C				
870202	1315	28530		0.041				2.0	0.01	1.530	0.064	0.060<T
870310	1330	28654		0.070				1.0	0.01<	1.710	0.026	0.270
870407	1345	28680		0.590			3 8	8.0	0.01	1.640	0.020	0.040<T
870504	1515	28705		0.240			8	12.0	0.01	1.400	0.042	0.120
870706	1615	28755		0.130			8	24.0		1.260	0.126	0.020<W
870812	0800	28780		0.330		8.00	5 8	21.0	0.01	1.210	0.192	0.025<T
870916	0730	28805		0.420			5 8	18.0	0.01	1.200	0.256	0.050<T
871006	1730	28830		0.240			5 8	13.5	0.11	1.080	0.080	0.040<T
871102	1335	28841		0.120			8	8.0	0.09	1.120	0.104	0.115
871214	1530	28855	2	0.220	2		8	2.0	0.04	1.550	0.030	0.340

( C O N T D )



## 1987 WATER QUALITY DATA REGION 4

23

B.O.W./ SITE: GANANOQUE RIVER  
 SAMPLE POINT: AT RR TRESTLE CANADIAN STEEL GANANOQUE  
 STATION TYPE: RIVER

STATION ID: 12-0017-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: GANANOQUE RIVER

STORET CODE: 02  
 005  
 1280

LAT: 44 19 44.00 LONG: 076 10 05.82

U T M: 18 0406850.0 4908850.0 4

REGION: 04

DISTANCE: 0.966

*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
						BOD						
					ALK	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
					TOTAL	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
					MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
SAMPLE	DATE	DATE	DEPTH	PROJECT	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
DATE	TIME	NUMBER	M	SUB-PROJ								
YYMMDD	LMT			CODE								
870202	1115	28532	0.30	0101	118.2	0.8<T	0.0003<	8.30	268.0	0.001<	0.002	12.00
870310	0940	28657	0.30	0101	88.4	1.8	0.0003<	10.20	217.0	0.001<	0.003	9.60
870407	1130	28682	0.30	0101	112.3	0.9<T	0.0003<	8.20	259.0	0.001<	0.003	9.00
870505	1115	28707	0.30	0101	120.2	0.9<T	0.0003<	8.65	232.0	0.001<	0.002	8.60
870706	1430	28757	0.30	0101	118.2	8.0>	0.0003<	5.75	255.0	0.001<	0.003	7.20
870810	1530	28782	0.30	0101	120.7	1.3	0.0006	7.60	263.0	0.001<	0.001<W	6.40
870915	1945	28807	0.30	0101	105.5	0.7<T	0.0003<	9.00	252.0	0.002	0.001	7.00
871006	0930	28832	0.30	0101	111.9	0.9<T	0.0003<	8.25	257.0	0.002	0.001	9.20
871104	0915	28843	0.30	0101	120.9	1.4	0.0003<	9.20	281.0	0.003	0.002	10.00
871215	0845	28857	0.30	0101	112.3	1.4	0.0003<	7.30	254.0	0.002	0.002	11.50
MAXIMUM			0.30		120.9	1.8	0.0006	10.20	281.0	0.003	0.003	12.00
ARITH MEAN			0.30		112.9	1.1<A	0.0006	8.24	253.8	0.002	0.002<A	9.05
GEOM MEAN					112.4			8.16	253.2		0.002<A	8.88
MINIMUM			0.30		88.4	0.7	0.0006	5.75	217.0	0.002	0.001	6.40
STD DEV (GEOM *)					10.0			1.20	17.9		0.001<A	1.85
# SAMP IN STATISTICS			10		10	9	1	10	10	4	10	10
% SAMP (EXCLUDED)						10	90			60		
*=INTERIM		TEST-NAME:	FCMF	FEUT	FSMF	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NN02FR
			FECAL		FECAL					NH3-N		
			COLIFORM	IRON	STREPCUS			MERCURY	POTASSIM	TOTAL	N02+N03N	N02-N
			MF	UNF.TOT.	MF		WATER	UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC
			CNT	MG/L	CNT	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L
			/100ML	AS FE	/100ML	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N
870202	1115	28532		0.087		8		0.02	1.570	0.070	0.095<T	0.0110
870310	0940	28657		0.410		8	1.0	0.01	3.080	0.276	0.390	0.0190
870407	1130	28682		0.200		3 8	6.5	0.01	1.760	0.006<T	0.085<T	0.0080
870505	1115	28707		0.090		8	13.0	0.01<	1.550	0.032	0.035<T	0.0065
870706	1430	28757		0.090		5 8	25.0		1.170	0.028	0.020<W	0.0010<W
870810	1530	28782		0.120		6 7 8	25.0	0.01	0.980	0.052	0.035<T	0.0050
870915	1945	28807		0.076		6 8	19.0	0.01	1.450	0.048	0.055<T	0.0100
871006	0930	28832		0.084		6 8	13.0	0.06	1.780	0.040	0.065<T	0.0075
871104	0915	28843		0.088		6 8	10.0	0.06	1.820	0.068	0.045<T	0.0030<T
871215	0845	28857	10	0.180	10	8	1.5		1.790	0.014	0.090<T	0.0055

( C O N T D )

B.O.W./ SITE: GANANOQUE RIVER  
 SAMPLE POINT: AT RR TRESTLE CANADIAN STEEL GANANOQUE  
 STATION TYPE: RIVER

STATION ID: 12-0017-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: GANANOQUE RIVER

STORET CODE: 02  
 005  
 1280

LAT: 44 19 44.00 LONG: 076 10 05.82

U T M: 18 0406850.0 4908850.0 4

REGION: 04

DISTANCE: 0.966

*=INTERIM TEST-NAME:		FCMF FECAL COLIFORM MF CNT /100ML	FEUT IRON UNF.TOT. MG/L AS FE	FSMF FECAL STREPCUS MF CNT /100ML	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C	HGUT MERCURY UNF.TOT. UG/L AS HG	KKUR POTASSIM UNF.REAC MG/L AS K	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NN02FR NO2-N FIL.REAC MG/L AS N
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MAXIMUM	10	0.410	10	25.0	0.06	3.080	0.276	0.390	0.0190
ARITH MEAN	10	0.142	10	12.7	0.03	1.695	0.063<A	0.091<A	0.0076<A
GEOM MEAN		0.122		8.3		1.623	0.040<A	0.064<A	0.0061<A
MINIMUM	10	0.076	10	1.0	0.01	0.980	0.006	0.020	0.0010
STD DEV (GEOM *)		0.103		9.0		0.562	0.078<A	0.108<A	0.0050<A
# SAMP IN STATISTICS	1	10	1	9	7	10	10	10	10
% SAMP (EXCLUDED)					12				

*=INTERIM TEST-NAME:		NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
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870202 1115	28532	0.530	0.003<	8.00		0.031	2.00	0.001<W
870310 0940	28657	0.880	0.003<	7.73		0.102	6.10	0.006
870407 1130	28682	0.450	0.003	8.09	0.2<W	0.031	3.10	0.007
870505 1115	28707	0.540	0.003<	8.27		0.080	2.30	0.010
870706 1430	28757	0.600	0.003<	8.10		0.074	2.20	0.005
870810 1530	28782	0.610	0.003<	8.13		0.084	2.00	0.001<W
870915 1945	28807	0.550	0.003<	8.08	0.2<T	0.082	1.40	0.002
871006 0930	28832	0.540	0.003<	8.13	0.2<W	0.086	1.29	0.003
871104 0915	28843	0.560	0.003<	8.06	0.4<T	0.063	1.10	0.003
871215 0845	28857	0.470	0.003<	7.98		0.032	3.20	0.006

MAXIMUM	0.880	0.003	8.27	0.4	0.102	6.10	0.010
ARITH MEAN	0.573	0.003	8.06	0.2<A	0.066	2.47	0.004<A
GEOM MEAN	0.564		8.06	0.2<A	0.061	2.18	0.003<A
MINIMUM	0.450	0.003	7.73	0.2	0.031	1.10	0.001
STD DEV (GEOM *)	0.119		0.14	0.1<A	0.026	1.46	0.003<A
# SAMP IN STATISTICS	10	1	10	4	10	10	10
% SAMP (EXCLUDED)		90					

## 1987 WATER QUALITY DATA REGION 4

25

B.O.W./ SITE: GANANOQUE RIVER  
 SAMPLE POINT: HIGHWAY 32, 2 MILES NORTH OF HIGHWAY 401  
 STATION TYPE: RIVER

STATION ID: 12-0017-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: GANANOQUE RIVER

STORET CODE: 02  
 005  
 1280

LAT: 44 21 38.24 LONG: 076 11 24.89 U T M: 18 0405150.0 4912400.0 4 REGION: 04 DISTANCE: 6.115

*=-INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
				ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
				TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN	
SAMPLE	DATE	DATE	DEPTH	AS CAC03	TOT.DEM.	AS CD	AS CL-	UMHO/CM	MG/L	MG/L	MG/L	
YYMMDD	HOUR	NUMBER	M	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O	
870202	1145	28531	0.30	0101	114.8	0.5<T	0.0003<	7.50	259.0	0.001<	0.001	12.00
870310	1255	28656	0.30	0101	104.4	2.2	0.0003<	6.95	232.0	0.001<	0.002	12.40
870407	1200	28681	0.30	0101	113.6	0.9<T	0.0003<	7.25	257.0	0.001<	0.001	11.50
870505	1145	28706	0.30	0101	116.6	1.0	0.0003<	6.40	255.0	0.001<	0.002	11.20
870706	1500	28756	0.30	0101	121.0	1.3	0.0003<	5.55	260.0	0.001<	0.008	8.00
870810	1615	28781	0.30	0101	115.5	1.1	0.0003<	6.70	251.0	0.001<	0.001<W	9.00
870914	1700	28806	0.30	0101	102.2	0.6<T	0.0003<	5.90	233.0	0.002	0.001	8.00
871006	0830	28831	0.30	0101	112.0	1.0<T	0.0003<	6.85	251.0	0.002	0.002	9.60
871104	0830	28842	0.30	0101	119.8	1.0	0.0003<	7.80	272.0	0.002	0.001	11.60
871215	0815	28856	0.30	0101	111.4	1.2	0.0003<	6.70	249.0	0.002	0.003	11.50
MAXIMUM		0.30			121.0	2.2		7.80	272.0	0.002	0.008	12.40
ARITH MEAN		0.30			113.1	1.1<A		6.76	251.9	0.002	0.002<A	10.48
GEOM MEAN					113.0	1.0<A		6.73	251.6		0.002<A	10.35
MINIMUM		0.30			102.2	0.5		5.55	232.0	0.002	0.001	8.00
STD DEV (GEOM *)					6.0	0.5<A		0.69	12.1		0.002<A	1.67
# SAMP IN STATISTICS		10			10	10		10	4		10	10
% SAMP (EXCLUDED)									60			

*=-INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
SAMPLE	DATE	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	HOUR	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870202	1145	28531	0.089	4 8	0.01	1.520	0.032	0.090<T	0.0055	0.550	0.003<
870310	1255	28656	0.230	4 8	0.02	2.260	0.062	0.270	0.0105	0.520	0.003<
870407	1200	28681	0.120	3 8	6.5	0.01<	1.630	0.002<W	0.0075	0.440	0.003<
870505	1145	28706	0.060	8	13.0	0.01	1.430	0.002<W	0.0020<T	0.440	0.003
870706	1500	28756	0.055	5 7 8	25.0		1.210	0.044	0.020<W	0.0010<W	0.600
870810	1615	28781	0.011	7 8	23.5	0.01	0.970	0.046	0.025<T	0.0035<T	0.550
870914	1700	28806	0.051	7 8	21.0	0.01	1.260	0.036	0.020<W	0.0030<T	0.500
871006	0830	28831	0.055	8	12.0	0.07	1.660	0.026	0.035<T	0.0035<T	0.460
871104	0830	28842	0.067	6 8	9.0	0.09	1.760	0.056	0.020<T	0.0015<T	0.500
871215	0815	28856	0.160	8	2.0	0.06	1.690	0.010	0.070<T	0.0040<T	0.460

( C O N T D )

B.O.W./ SITE: GANANOQUE RIVER  
 SAMPLE POINT: HIGHWAY 32, 2 MILES NORTH OF HIGHWAY 401  
 STATION TYPE: RIVER

STATION ID: 12-0817-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: GANANOQUE RIVER

STORET CODE: 02  
 005  
 1280

LAT: 44 21 38.24 LONG: 076 11 24.89 U T M: 18 0405150.0 4912400.0 4 REGION: 04 DISTANCE: 6.115

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N	PBUT
SAMPLE		IRON UNF.TOT.		WATER	MERCURY	POTASSIM	TOTAL	NO2+NO3N	NO2-N	TOTAL	LEAD
DATE	HR	MG/L	STREAM	TEMP	UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
YYMMDD	LMT	AS FE	COND.	DEG.C	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
					AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
		MAXIMUM		25.0	0.09	2.260	0.062	0.270	0.0105	0.600	0.003
		ARITH MEAN		14.0	0.03	1.539	0.032<A	0.064<A	0.0042<A	0.502	0.003
		GEOM MEAN		11.1		1.502	0.020<A	0.042<A	0.0034<A	0.499	
		MINIMUM		2.0	0.01	0.970	0.002	0.020	0.0010	0.440	0.003
		STD DEV (GEOM *)		8.4		0.355	0.021<A	0.077<A	0.0029<A	0.053	
		# SAMP IN STATISTICS	10	8	8	10	10	10	10	10	2
		% SAMP (EXCLUDED)			11						80

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS	PPUT PHOSPHOR	TURB	ZNUT ZINC	
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HR		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	PH	PHENOL	AS P	FTU	AS ZN	
870202	1145	28531	8.06	0.2<W	0.017	2.00	0.001<W
870310	1255	28656	7.91	0.2<T	0.048	4.50	0.012
870407	1200	28681	8.16	0.2<W	0.060	3.00	0.005
870505	1145	28706	8.27	1.4	0.031	2.10	0.008
870706	1500	28756	8.13	0.2<T	0.055	1.64	0.005
870810	1615	28781	8.30	0.2<W	0.045	1.46	0.001<W
870914	1700	28806	8.18	0.2<T	0.027	1.50	0.002<
871006	0830	28831	8.14	0.2<W	0.042	1.09	0.003
871104	0830	28842	8.10	0.2<T	0.023	1.20	0.002
871215	0815	28856	7.96		0.022	4.50	0.049
		MAXIMUM	8.30	1.4	0.060	4.50	0.049
		ARITH MEAN	8.12	0.3<A	0.037	2.30	0.010<A
		GEOM MEAN	8.12	0.2<A	0.034	2.03	
		MINIMUM	7.91	0.2	0.017	1.09	0.001
		STD DEV (GEOM *)	0.12	0.4<A	0.015	1.28	
		# SAMP IN STATISTICS	10	9	10	10	9
		% SAMP (EXCLUDED)					10

## 1987 WATER QUALITY DATA REGION 4

27

B.O.W./ SITE: LYN CREEK  
 SAMPLE POINT: HWY. 2  
 STATION TYPE: RIVER

STATION ID: 12-0031-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER

STORET CODE: 02  
 005

LAT: 44 31 30.49 LONG: 075 48 20.26 U T M: 18 0435980.0 4930300.0 4 REGION: 04

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
SAMPLE				ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
DATE	HR	SAMPLE	DEPTH	TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN	
YYMMDD	LMT	NUMBER	M	MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	
				AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O	
870310	1155	28660	0.30	0101	151.4	1.5	0.0003<	15.80	337.0	0.001<	0.001	12.20
870407		28685	0.30	0101	141.6	0.8<T	0.0003<	13.40	323.0	0.001<	0.002	10.20
870505	1000	28710	0.30	0101	189.2	0.9<T	0.0003<	14.50	396.0	0.001<	0.001	11.00
870707	1330	28760	0.30	0101	168.8	1.7	0.0003<	12.40	354.0	0.001<	0.013	6.60
870811	0930	28785	0.30	0101	172.3	0.9<T	0.0008	16.50	384.0	0.001	0.003	5.00
870915	1800	28810	0.30	0101	182.1	0.7<T	0.0003<	30.55	511.0	0.003	0.001	8.00
871006	1115	28834	0.30	0101	306.3	NO DATA CR	0.0003<	145.00	1214.0	0.005	0.004	10.20
871103	0945	28846	0.30	0101	170.2	1.1	0.0003<	16.20	404.0	0.003	0.002	11.20
871215	0945	28860	0.30	0101	146.0	1.4	0.0003<	12.00	337.0	0.002	0.002	13.40
		MAXIMUM	0.30		306.3	1.7	0.0008	145.00	1214.0	0.005	0.013	13.40
		ARITH MEAN	0.30		180.9	1.1<A	0.0008	30.71	473.3	0.003	0.003	9.76
		GEOM MEAN			176.2	1.1<A		20.12	429.3		0.002	9.36
		MINIMUM	0.30		141.6	0.7	0.0008	12.00	323.0	0.001	0.001	5.00
		STD DEV (GEOM *)			49.7	0.4<A		43.22	283.5		0.004	2.71
		# SAMP IN STATISTICS	9		9	8	1	9	5	9	9	
		% SAMP (EXCLUDED)					88		44			

*=INTERIM	TEST-NAME:	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
SAMPLE		IRON	STREAM		WATER	MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N
DATE	HR	UNF.TOT.	FLOW	STREAM	TEMP	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	TOTAL
YYMMDD	LMT	MG/L	M3	COND.	DEG.C	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L
		AS FE	/S			AS HG	AS K	AS N	AS N	AS N	AS N
870310	1155	28660	0.330	5.120	8	0.02	3.000	0.220	1.120	0.0195	0.830
870407		28685	0.180	4.850	3 8	0.01	1.760	0.028	0.525	0.0140	0.480
870505	1000	28710	0.220	0.524	8	10.0	NO DATA LA	0.034	0.095<T	0.0085	0.620
870707	1330	28760	0.280	0.107	8	24.0	1.630	0.026	0.060<T	0.0105	0.790
870811	0930	28785	0.160	0.027	8	18.0	0.01	0.056	0.060<T	0.0115	0.900
870915	1800	28810	0.130	0.198	8	18.5	0.01	0.028	0.065<T	0.0125	0.660
871006	1115	28834	0.390	0.526	8	11.0	0.05	2.010	4.500	0.6100	3.300
871103	0945	28846	0.130	0.804	6 8	7.0	0.08	0.018	0.290	0.0035<T	0.650
871215	0945	28860	0.130	1.910	8	1.0	0.05	0.006<T	0.680	0.0040<T	0.540
		MAXIMUM	0.390	5.120		24.0	0.08	2.010	4.500	0.6100	3.300
		ARITH MEAN	0.217	1.563		12.2	0.03	0.270<A	0.822<A	0.0771<A	0.974
		GEOM MEAN	0.200	0.567		9.2	0.02	0.050<A	0.283<A	0.0146<A	0.800
		MINIMUM	0.130	0.027		1.0	0.01	0.006	0.060	0.0035	0.480
		STD DEV (GEOM *)	0.096	2.020		7.5	0.03	0.656<A	1.426<A	0.1999<A	0.883
		# SAMP IN STATISTICS	9	9		8	7	9	9	9	9
		% SAMP (EXCLUDED)									

( C O N T D )



B.O.W./ SITE: LYN CREEK  
 SAMPLE POINT: HWY. 2  
 STATION TYPE: RIVER

STATION ID: 12-0031-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER

STORET CODE: 02  
 005

LAT: 44 31 30.49 LONG: 075 48 20.26 U T M: 18 0435980.0 4930300.0 4 REGION: 04

*INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT	
		LEAD		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR	MG/L		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN	
870310	1155	28660	0.004	7.93	0.8<T	0.116	3.40	0.006
870407		28685	0.003<	8.28	0.4<T	0.042	3.90	0.006
870505	1000	28710	0.003<	8.33	1.0	0.052	3.40	0.006
870707	1330	28760	0.003<	8.20	0.4<T	0.131	4.70	0.005
870811	0930	28785	0.006	8.16	0.2<W	0.114	5.20	0.001<W
870915	1800	28810	0.003<	8.26	0.4<T	0.084	1.90	0.002
871006	1115	28834	0.003<	8.26	0.4<T	0.065	3.20	0.007
871103	0945	28846	0.003<	8.26	0.2<T	0.031	0.65	0.004
871215	0945	28860	0.003<	8.19		0.029	15.50	0.011
MAXIMUM		0.006	8.33	1.0	0.131	15.50	0.011	
ARITH MEAN		0.005	8.21	0.5<A	0.074	4.65	0.005<A	
GEOM MEAN			8.21	0.4<A	0.064	3.44	0.004<A	
MINIMUM		0.004	7.93	0.2	0.029	0.65	0.001	
STD DEV (GEOM *)			0.12	0.3<A	0.039	4.29	0.003<A	
# SAMP IN STATISTICS		2	9	8	9	9	9	
% SAMP (EXCLUDED)		77						

## 29

STORET CODE: 02  
005

**DISTANCE: 3.520**

MAXIMUM	0.30	389.2	7.4	352.00	1680.0	0.009	0.045	13.60
ARITH MEAN	0.30	271.0	2.6<A	130.84	964.3	0.005	0.011	11.29
GEOM MEAN		263.1		94.53	889.0			11.18
MINIMUM	0.30	171.0	0.6	19.75	442.0	0.001	0.002	8.60
STD DEV (GEOM *)		69.3		114.46	416.8			1.60
# SAMP IN STATISTICS	10	10	9	10	10	4	8	10
% SAMP (EXCLUDED)			10			55	11	

[illegible]

( C O 77T D )

B.O.W./ SITE: GRANTS CREEK TRIBUTARY -  
 SAMPLE POINT: LYN ROAD  
 STATION TYPE: RIVER

DNSTR.CITY OF BROCKVILLE LANDFILL SITE  
 MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER

STATION ID: 12-0033-001-02

STORET CODE: 02  
 005

LAT: 44 34 39.01 LONG: 075 43 45.36

U T M: 18 0442100.0 4936060.0 4

REGION: 04

DISTANCE: 3.520

*INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN	
SAMPLE DATE YYMMDD	TIME HOUR LMT	SAMPLE NUMBER	PH	PHENOL	AS P	AS ZN	
870202	0930	28534	8.17	1.4	0.051	25.00	0.017
870310	1120	28659	8.08	1.0	0.057	10.60	0.020
870407	0930	28684	8.27	2.0	0.016	11.50	0.009
870505	0930	28709	8.29	0.8<T	NO DATA CR	5.10	0.005
870707	1230	28759	8.36	0.6<T	0.075	6.30	0.022
870811	1015	28784	8.29	0.2<W	0.035	18.80	0.005
870914	1430	28809	8.08	0.2<T	0.093	11.00	0.007
871006	1045	28835	8.29	0.4<T	0.126	2.30	NO DATA IS
871103	1015	28845	8.19	0.2<T	0.053	2.20	0.008
871215	1030	28859	8.24		0.075	NO DATA IS	0.045
MAXIMUM		8.36	2.0	0.126	25.00	0.045	
ARITH MEAN		8.23	0.8<A	0.065	10.31	0.015	
GEOM MEAN		8.23	0.5<A	0.056	7.76	0.012	
MINIMUM		8.08	0.2	0.016	2.20	0.005	
STD DEV (GEOM *)		0.09	0.6<A	0.032	7.61	0.013	
# SAMP IN STATISTICS		10	9	9	9	9	
% SAMP (EXCLUDED)							

## 1987 WATER QUALITY DATA REGION 4

31

B.O.W./ SITE: BUTLERS CREEK  
 SAMPLE POINT: HIGHWAY 2, BROCKVILLE  
 STATION TYPE: RIVER

STATION ID: 12-0034-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: BUTLERS CREEK

STORET CODE: 02  
 005  
 0840

LAT: 44 35 09.67 LONG: 075 41 29.70

U T M: 18 0445100.0 4936980.0 4

REGION: 04

DISTANCE: 0.483

*=-INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT. 25C	CHROMIUM	COPPER	DISOLVED
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL MG/L	TOT.DEM. MG/L	UNF.TOT. MG/L	UNF.REAC MG/L	UMHO/CM AT 25 C	UNF.TOT. MG/L	UNF.TOT. MG/L	OXYGEN MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-		AS CR	AS CU	AS O
870202	0900	28533	0101	202.9	0.9<T	0.0003<	59.00	599.0	0.001	0.022	11.00
870310	1055	28658	0101	199.9	2.1	0.0003<	90.00	673.0	0.001	0.007	13.00
870407	0900	28683	0101	168.6	0.9<T	0.0003<	49.50	507.0	0.001<	0.004	10.20
870505	0900	28708	0101	195.7	1.4	0.0003<	81.00	676.0	0.001<	0.006	9.30
870707	1130	28758	0101	134.7	1.6	0.0003<	55.00	492.0	0.001<	0.030	6.60
870811	1100	28783	0101	173.2	1.8	0.0003<	101.00	733.0	0.001<	0.018	9.80
870915	1445	28808	0101	175.9	2.5	0.0003<	NO DATA CR	783.0	0.017	0.021	8.70
871006	1200	28833	0101	255.6	1.0	0.0003<	NO DATA IR	904.0	0.004	0.006	10.40
871103	1100	28844	0101	196.4	4.3	0.0003<	66.10	651.0	0.004	0.010	9.00
871215	1115	28858	0101	218.3	1.7	0.0003<	56.10	641.0	0.004	0.007	12.90
MAXIMUM		0.30		255.6	4.3		101.00	904.0	0.017	0.030	13.00
ARITH MEAN		0.30		192.1	1.8<A		69.71	665.9	0.005	0.013	10.09
GEOM MEAN				189.6	1.6<A		67.65	655.8		0.011	9.92
MINIMUM		0.30		134.7	0.9		49.50	492.0	0.001	0.004	6.60
STD DEV (GEOM *)				32.3	1.0<A		18.73	122.9		0.009	1.92
# SAMP IN STATISTICS		10		10	10		8	10	6	10	10
% SAMP (EXCLUDED)									40		

*=-INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N			TOTAL	LEAD
SAMPLE DATE	HOUR	UNF.TOT. MG/L	STREAM	WATER	UNF.TOT. UG/L	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
YYMMDD	LMT	AS FE	COND.	TEMP DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870202	0900	0.410	8		0.03	1.760	0.198	0.415	0.0170	0.830	0.003
870310	1055	0.530	8		0.01	3.160	0.352	1.210	0.0240	1.000	0.004
870407	0900	0.310	8	5.0	0.02	1.640	0.012	0.485	0.0105	0.520	0.004
870505	0900	0.230	8	10.0	0.02	2.070	0.110	0.405	0.0175	0.780	0.003<
870707	1130	0.310	8	23.0	0.01	2.050	0.224	0.325	0.0705	0.460	0.006
870811	1100	1.400	6 8 0	19.0	0.02	2.810	0.080	0.325	0.0420	NO DATA IS	0.009
870915	1445	0.470	8	19.5	0.02	2.960	0.080	0.865	0.0355	0.660	0.007
871006	1200	0.170	6 8	14.0	0.02	2.930	0.092	0.925	0.0270	0.690	0.003<
871103	1100	0.590	3 8	10.0	0.07	2.510	0.088	0.875	0.0300	0.970	0.010
871215	1115	0.460	8	2.0	0.05	NO DATA IS	0.052	1.340<=>	0.0100	0.680	0.005

( C O N T D )

B.O.W./ SITE: BUTLERS CREEK  
 SAMPLE POINT: HIGHWAY 2, BROCKVILLE  
 STATION TYPE: RIVER

STATION ID: 12-0034-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST. LAWRENCE RIVER  
 TERM STREAM: BUTLERS CREEK

STORET CODE: 02  
 005  
 0840

LAT: 44 35 09.67 LONG: 075 41 29.70

U T M: 18 0445100.0 4936980.0 4

REGION: 04

DISTANCE: 0.483

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N	PBUT LEAD
SAMPLE DATE YYMMDD	HOUR LMT	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB
		MAXIMUM	1.400	23.0	0.07	3.160	0.352	1.340	0.0705	1.000	0.010
		ARITH MEAN	0.488	12.8	0.03	2.432	0.129	0.717	0.0284	0.732	0.006
		GEOM MEAN	0.413	10.2	0.02	2.371	0.094	0.630	0.0240	0.711	
		MINIMUM	0.170	2.0	0.01	1.640	0.012	0.325	0.0100	0.460	0.003
		STD DEV (GEOM *)	0.347	7.4	0.02	0.566	0.101	0.376	0.0181	0.183	
		# SAMP IN STATISTICS	10	8	10	9	10	10	10	9	8
		% SAMP (EXCLUDED)									20

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L	RSP RESIDUE PARTIC. MG/L	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PH	PHENOL		
870202	0900	28533	8.22	1.0	10.8	8.10
870310	1055	28658	8.13	0.8<T	17.0	7.60
870407	0900	28683	8.28	0.4<T	8.7	5.70
870505	0900	28708	8.22	6.6	5.6	1.87
870707	1130	28758	8.11	1.0	6.2	4.20
870811	1100	28783	8.33	0.4<T	9.6	4.60
870915	1445	28808	8.21	0.2<T	17.3	13.80
871006	1200	28833	8.34	0.4<T	3.8	1.50
871103	1100	28844	8.00	1.6	23.0	19.00
871215	1115	28858	8.22		13.2	8.50
		MAXIMUM	8.34	6.6	23.0	19.00
		ARITH MEAN	8.21	1.4<A	11.5	7.49
		GEOM MEAN	8.21	0.8<A	10.1	5.79
		MINIMUM	8.00	0.2	3.8	1.50
		STD DEV (GEOM *)	0.10	2.0<A	6.1	5.41
		# SAMP IN STATISTICS	10	9	10	10
		% SAMP (EXCLUDED)				

## 33

STATION ID: 12-0073-003-02

STORET CODE: 02  
005  
0250

**DISTANCE: 9.495**

MAXIMUM	0.30	254.1	2.6	0.0010	19.40	575.0	0.004	0.004	12.10
ARITH MEAN	0.30	221.7	1.4<A	0.0008	13.57	481.1	0.002	0.002<A	9.48
GEOM MEAN		220.1			13.23	477.4			9.25
MINIMUM	0.30	168.3	0.5	0.0007	9.70	375.0	0.001	0.001	6.50
STD DEV (GEOM *)		26.8			3.31	62.2			2.12
# SAMP IN STATISTICS	10	10	9	2	10	10	8	8	10
% SAMP (EXCLUDED)			10	77			11	11	

*INTERIM		TEST-NAME:	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N
SAMPLE			IRON UNF.TOT.	STREAM FLOW			MERCURY UNF.TOT.	POTASSIM UNF.REAC	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	TOTAL UNF.REAC
DATE	HOUR	SAMPLE	MG/L	M3	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	AS FE	/S	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N
870126	1100	19424	0.820	1.470	4			1.520	0.084	0.675	0.0145	0.900
870223	1115	19434	0.630	0.940	4	1.0		1.640	0.104	0.640	0.0160	0.750
870310	1255	19444	0.650	4.450	8			2.270	0.222	1.310	0.0165	0.460
870414	1255	19454	0.540	4.730	8	11.0		1.490	0.032	0.455	0.0170	0.650
870505	1035	19464	0.620	1.790	8	11.0		1.460	0.018	0.105	0.0090	0.770
870609	1100	19474	0.770	3.340	8	17.5		1.600	0.050	0.270	0.0520	0.980
870728	1115	19484	NO DATA BT	8.720	3	20.0	0.01<	2.870	0.050	0.370	0.0170	1.020
870914	1300	19504	0.630	1.110	8	20.0		2.550	0.060	0.090<T	0.0100	0.930
871027	1220	19513	0.290	2.370		7.0		2.800	0.002<T	0.450	0.0050	0.840
871117	1140	19522	0.250	2.210		3.0		1.950	0.004<T	0.555	0.0060	0.750

( C O N T D )

B.O.W./ SITE: RAISIN RIVER  
 SAMPLE POINT: 1ST.BEND DOWNSTREAM FROM WILLIAMSTOWN  
 STATION TYPE: RIVER FLOW GAUGE FED 02MC001

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER  
 TERM STREAM: RAISIN RIVER

STATION ID: 12-0073-003-02

STORET CODE: 02  
 005  
 0250

LAT: 45 08 36.23 LONG: 074 34 35.21 U T M: 18 0533300.0 4998750.0 4 REGION: 04 DISTANCE: 9.495

*=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
		IRON	STREAM			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N
SAMPLE		UNF.TOT.	FLOW		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	TOTAL
DATE	HR	MG/L	M3	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE	/S	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N
		MAXIMUM	0.820	8.720	20.0		2.870	0.222	1.310	0.0520	1.020
		ARITH MEAN	0.578	3.113	11.3		2.015	0.063<A	0.492<A	0.0163	0.805
		GEOM MEAN	0.541	2.480	8.1		1.948	0.033<A	0.379<A	0.0132	0.787
		MINIMUM	0.250	0.940	1.0		1.460	0.002	0.090	0.0050	0.460
		STD DEV (GEOM *)	0.194	2.367	7.4		0.562	0.065<A	0.351<A	0.0134	0.168
		# SAMP IN STATISTICS	9	10	8		10	10	10	10	10
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT	
		LEAD		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HR	MG/L		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN	
870126	1100	19424	0.003<	7.93	0.2<W	0.053	24.00	0.004
870223	1115	19434	0.030<	8.07	0.2<W	0.037	9.80	0.014
870310	1255	19444	0.006	7.96	0.2<W	0.014	14.20	0.006
870414	1255	19454	0.003<	8.28	0.2<W	0.054	17.20	0.001<W
870505	1035	19464	0.003<	8.41	0.2<W	0.042	17.60	0.001<
870609	1100	19474	0.003<	8.20	0.2<W	0.075	16.60	0.004
870728	1115	19484	NO DATA BT	8.14	NO DATA NR	0.073	15.60	NO DATA BT
870914	1300	19504	0.003<	8.12		0.061	11.80	0.008
871027	1220	19513	0.003<	8.01	0.2<W	0.076	14.20	0.002
871117	1140	19522	0.003	8.30	NO DATA NR	0.019	6.70	0.002
		MAXIMUM	0.006	8.41	0.2	0.076	24.00	0.014
		ARITH MEAN	0.004	8.14	0.2<A	0.050	14.77	0.005<A
		GEOM MEAN		8.14	0.2<A	0.044	14.02	
		MINIMUM	0.003	7.93	0.2	0.014	6.70	0.001
		STD DEV (GEOM *)		0.16	0.0<A	0.022	4.74	
		# SAMP IN STATISTICS	2	10	7	10	10	8
		% SAMP (EXCLUDED)	77					11

## 35

STORET CODE: 02  
005  
0250

**DISTANCE: 32.669**

*=INTERIM		TEST-NAME:	DO	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N
			DISOLVED OXYGEN	IRON UNF.TOT.			MERCURY UNF.TOT.	POTASSIM UNF.REAC	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	K'DAHL N TOTAL
SAMPLE DATE	HRUR YYMMDD	SAMPLE NUMBER	MG/L AS O	MG/L AS FE	STREAM COND.	TEMP DEG.C	UG/L AS HG	MG/L AS K	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N
870126	0950	19421	10.00	0.800	4			1.450	0.138	0.495	0.0130	1.060
870223	0940	19431	11.20	0.970	4	1.0		1.660	0.142	0.525	0.0190	0.990
870310	1055	19441	10.70	0.740	4			2.160	0.200	0.855	0.0165	0.210
870414	1150	19451	10.40	0.790	8	10.0		1.420	0.022	0.370	0.0225	0.630
870505	0930	19461	10.50	0.910	8	10.0		1.450	0.022	0.055<T	0.0130	0.850
870609	0950	19471	7.70	2.000	8	15.5		1.700	0.016	0.350	0.0360	1.110
870728	1000	19481	6.70	0.740	8	19.0	0.01<	2.550	0.044	0.445	0.0155	1.170
870914	1028	19501	11.40	0.210	8	18.0		3.180	0.038	0.145	0.0110	0.650
871027	1045	19510	9.00	0.670		5.0		2.940	0.006<T	0.235	0.0100	1.120
871117	1010	19519	10.60	0.570		3.0		1.760	0.012	0.390	0.0085	0.925

( C O N T D )



B.O.W./ SITE: RAISIN RIVER  
 SAMPLE POINT: 1ST.BRIDGE DOWNSTREAM FROM ST.ANDREWS  
 STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER  
 TERM STREAM: RAISIN RIVER

STATION ID: 12-0073-008-02

STORET CODE: 02  
 005  
 0250

LAT: 45 06 35.10 LONG: 074 46 23.14 U T M: 18 0517850.0 4994950.0 4 REGION: 04 DISTANCE: 32.669

*=INTERIM TEST-NAME:		DO	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
		DISOLVED	IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N
		OXYGEN	UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	UNF.REAC
SAMPLE		MG/L	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L
DATE	HR	AS O	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N
YYMMDD	LMT										

	MAXIMUM	11.40	2.000		19.0		3.180	0.200	0.855	0.0360	1.170
	ARITH MEAN	9.82	0.840		10.2		2.027	0.064<A	0.386<A	0.0165	0.871
	GEOM MEAN	9.70	0.740		7.3		1.942	0.036<A	0.314<A	0.0151	0.797
	MINIMUM	6.70	0.210		1.0		1.420	0.006	0.055	0.0085	0.210
	STD DEV (GEOM *)	1.55	0.458		6.9		0.650	0.069<A	0.223<A	0.0081	0.299
# SAMP IN STATISTICS		10	10		8		10	10	10	10	10
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	RSP	TURB	ZNUT
		LEAD		PHENOLS	PHOSPHOR			ZINC
		UNF.TOT.		UNF-REAC	UNF.TOT.	RESIDUE		UNF.TOT.
SAMPLE		MG/L		UG/L	MG/L	PARTIC.	TURB'ITY	MG/L
DATE	HR	AS PB	PH	PHENOL	AS P	MG/L	FTU	AS ZN
YYMMDD	LMT							

870126	0950	19421	0.003<	7.77	0.2<W	0.041	7.4	17.40	0.007
870223	0940	19431	0.030<	7.99	0.2<T	0.048	10.7	15.70	0.003<
870310	1055	19441	0.004	7.78	0.2<W	0.005<T	13.2	16.80	0.009
870414	1150	19451	0.003<	8.19	0.2<W	0.065	14.7	18.50	0.044
870505	0930	19461	0.003<	8.25	0.2<W	0.043	10.9	20.00	0.001<
870609	0950	19471	0.003<	8.18	0.2<W	0.082	26.6	43.00	0.014
870728	1000	19481	0.003<	8.08	NO DATA NR	0.122	16.4	18.80	0.006
870914	1028	19501	0.003<	8.25		0.026	5.2	5.40	0.003
871027	1045	19510	0.003<	7.95	0.2<W	0.080	11.4	10.20	0.008
871117	1010	19519	0.003<	8.24	0.4<T	0.025	7.4	11.30	0.004

	MAXIMUM	0.004	8.25	0.4	0.122	26.6	43.00	0.044
	ARITH MEAN	0.004	8.07	0.2<A	0.054<A	12.4	17.71	0.012
	GEOM MEAN		8.07	0.2<A	0.041<A	11.2	15.60	
	MINIMUM	0.004	7.77	0.2	0.005	5.2	5.40	0.003
	STD DEV (GEOM *)		0.19	0.1<A	0.034<A	6.1	10.00	
# SAMP IN STATISTICS		1	10	8	10	10	10	8
% SAMP (EXCLUDED)		90						20

## 1987 WATER QUALITY DATA REGION 4

37

B.O.W./ SITE: RAISIN RIVER  
 SAMPLE POINT: AT COUNTY ROAD NO 18 EAST OF LUNENBURG  
 STATION TYPE: RIVER

STATION ID: 12-0073-010-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER  
 TERM STREAM: RAISIN RIVER

STORET CODE: 02  
 005  
 0250

LAT: 45 03 34.37 LONG: 074 56 26.25

U T M: 18 0504675.0 4989350.0 4

REGION: 04

DISTANCE: 56.004

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	ALK	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HR	DEPTH	SUB-PROJ	TOTAL	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870126	0915	19420	0101	186.2	1.7	0.0003<	7.80	404.0	0.001	0.001	10.00
870223	0900	19430	0101	195.8	1.4		8.20	424.0			11.00
870310	1020	19440	0101	162.1	2.3	0.0003<	13.70	377.0	0.001<	0.013	9.00
870414	1125	19450	0101	131.5	1.7	0.0003<	6.35	291.0	0.001	0.003	10.40
870505	0910	19460	0101	158.4	0.5<T	0.0003<	8.15	342.0	0.001	0.001	9.40
870606	0930	19470	0101	177.8	4.8	0.0003<	7.25	369.0	0.001	0.001	7.40
870728	0930	19480	0101	152.1	0.8<T	0.0003<	8.25	347.0	0.001	0.001	6.70
870914	1000	19500	0101	183.3	0.9<T	0.0003<	9.40	409.0	0.003	0.002	10.00
871027	0930	19509	0101	194.7	3.0	NO DATA IS	9.70	445.0	NO DATA IS	NO DATA IS	8.00
871117	0930	19518	0101	162.7	2.0	0.0003<	9.40	407.0	0.002	0.001	13.00
MAXIMUM		0.30		195.8	4.8		13.70	445.0	0.003	0.013	13.00
ARITH MEAN		0.30		170.5	1.9<A		8.82	381.5	0.001	0.003	9.49
GEOM MEAN				169.3	1.6<A		8.64	378.9		0.002	9.33
MINIMUM		0.30		131.5	0.5		6.35	291.0	0.001	0.001	6.70
STD DEV (GEOM *)				20.6	1.3<A		2.00	45.8		0.004	1.84
# SAMP IN STATISTICS		10		10	10		10	10	7	8	10
% SAMP (EXCLUDED)									12		
*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
							NH3-N			K'DAHL N	
SAMPLE		IRON			MERCURY	POTASSIM	TOTAL			TOTAL	LEAD
DATE	HR	UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
YYMMDD	LMT	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
		AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870126	0915	0.790	4			1.170	0.214	0.400	0.0140	1.360	0.003<
870223	0900		4	1.0		1.380	0.286	0.405	0.0235	1.010	
870310	1020	0.510	8			2.110	0.182	0.885	0.0145	0.230	0.003<
870414	1125	0.560	8	8.0		1.070	0.046	0.305	0.0245	0.840	0.003<
870505	0910	0.690	8	10.0		1.050	0.028	0.080<T	0.0120	1.020	0.003<
870606	0930	1.200	8	15.0		1.300	0.024	0.305	0.0855	1.290	0.003<
870728	0930	0.590	8	17.0	0.03	2.250	0.046	0.385	0.0170	1.360	0.003<
870914	1000	0.810	8	18.0		3.360	0.074	0.365	0.0275	1.180	0.003<
871027	0930	NO DATA IS		5.0		2.380	0.100	0.180	0.0105	1.520	NO DATA IS
871117	0930	0.410		3.0		1.390	0.026	0.375	0.0130	1.040	0.003<

( C O N T D )

B.O.W./ SITE: RAISIN RIVER  
 SAMPLE POINT: AT COUNTY ROAD NO 18 EAST OF LUNENBURG  
 STATION TYPE: RIVER

STATION ID: 12-0073-010-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER  
 TERM STREAM: RAISIN RIVER

STORET CODE: 02  
 005  
 0250

LAT: 45 03 34.37 LONG: 074 56 26.25

U T M: 18 0504675.0 4989350.0 4

REGION: 04

DISTANCE: 56.004

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNTKUR K'DAHL N TOTAL	PBUT LEAD UNF.TOT.
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	UNF.REAC MG/L AS N
			MAXIMUM		18.0	0.03	3.360	0.286	0.885	0.0855	1.520
			ARITH MEAN		9.6	0.03	1.746	0.103	0.368<A	0.0242	1.085
			GEOM MEAN		7.0		1.620	0.071	0.317<A	0.0194	0.988
			MINIMUM		1.0	0.03	1.050	0.024	0.080	0.0105	0.230
			STD DEV (GEOM *)		6.5		0.755	0.093	0.210<A	0.0223	0.364
			# SAMP IN STATISTICS		8	1	10	10	10	10	10
			% SAMP (EXCLUDED)								

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	PH	PHENOL		
870126	0915	19420	7.70	0.2<W	0.057	13.40
870223	0900	19430	7.98	0.2<T	0.040	15.40
870310	1020	19440	7.77	0.2<W	0.004<T	7.50
870414	1125	19450	8.05	0.2<W	0.063	8.90
870505	0910	19460	8.10	0.2<W	0.032	8.40
870606	0930	19470	8.01	0.2<W	0.064	20.00
870728	0930	19480	8.03	NO DATA NR	0.097	11.20
870914	1000	19500	8.10		0.100	15.70
871027	0930	19509	7.84	0.2<T	0.100	2.20
871117	0930	19518	8.07	0.6<T	0.023	5.50
			MAXIMUM	0.6	0.100	20.00
			ARITH MEAN	0.2<A	0.058<A	10.82
			GEOM MEAN	0.2<A	0.044<A	9.32
			MINIMUM	0.2	0.004	2.20
			STD DEV (GEOM *)	0.1<A	0.034<A	5.36
			# SAMP IN STATISTICS	10	8	10
			% SAMP (EXCLUDED)			7 12

## 39

STORET CODE: 02  
005  
0250

DISTANCE: 25.266

MAXIMUM	0.30	251.5	3.0	20.50	554.0	0.003	0.002	13.40
ARITH MEAN	0.30	226.7	1.3<A	11.88	484.1	0.002	0.001	9.96
GEOM MEAN		225.9		11.34	481.7		0.001	9.81
MINIMUM	0.30	193.4	0.4	7.70	398.0	0.001	0.001	7.40
STD DEV (GEOM *)		19.1		4.10	50.8		0.001	1.78
# SAMP IN STATISTICS	10	9	8	9	9	5	8	10
% SAMP (EXCLUDED)			11			37		

*=INTERIM		TEST-NAME:	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
			IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	
SAMPLE			UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	TOTAL	LEAD
DATE	HR	SAMPLE	MG/L	STREAM	TEMP	UG/L	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
YYMMDD	LMT	NUMBER	AS FE	COND.	DEG.C	AS HG	AS K	MG/L	MG/L	MG/L	MG/L	MG/L
								AS N	AS N	AS N	AS N	AS PB
870126	1010	19422	0.580	4			1.390	0.128	0.445	0.0135	0.910	0.003<
870223	1005	19432	NO DATA SM	4	1.0							NO DATA SM
870310	1120	19442	0.490	4			2.620	0.222	0.890	0.0170	0.230	0.003<
870414	1210	19452	0.380	8	10.0		1.390	0.020	0.205	0.0140	0.570	0.003<
870505	0950	19462	0.460	8	11.0		1.400	0.034	0.035<T	0.0090	0.700	0.003<
870609	1050	19472	0.790	8	16.0		1.590	0.036	0.345	0.0540	1.030	0.003<
870728	1025	19482	1.200	3	17.0	0.01	1.930	0.040	0.285	0.0110	1.120	0.003<
870914	1105	19502	0.340	8	17.5		3.390	0.036	0.585	0.0210	0.910	0.003<
871027	1115	19511	NO DATA IS		5.0		2.320	0.004<T	0.115	0.0060	0.870	NO DATA IS
871117	1040	19520	0.250		3.0		1.510	0.004<T	0.320	0.0060	0.730	0.003<

( C O N T D )

B.O.W./ SITE: NORTH RAISIN RIVER  
 SAMPLE POINT: AT FIRST UPSTREAM OF MARTINTOWN  
 STATION TYPE: RIVER

STATION ID: 12-0073-011-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER  
 TERM STREAM: RAISIN RIVER

STORET CODE: 02  
 005  
 0250

LAT: 45 08 59.82 LONG: 074 44 07.47 U T M: 18 0520800.0 49999425.0 4 REGION: 04 DISTANCE: 25.266

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD
SAMPLE		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
DATE	HR	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
		MAXIMUM		17.5	0.01	3.390	0.222	0.890	0.0540	1.120	
		ARITH MEAN		10.1	0.01	1.949	0.058<A	0.358<A	0.0168	0.786	
		GEOM MEAN		7.3		1.854	0.029<A	0.263<A	0.0133	0.725	
		MINIMUM		1.0	0.01	1.390	0.004	0.035	0.0060	0.230	
		STD DEV (GEOM *)		6.5		0.699	0.072<A	0.259<A	0.0148	0.268	
		# SAMP IN STATISTICS		8	1	9	9	9	9	9	
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		PH	PHNOL	PPUT	TURB	ZNUT	
			PHENOLS	PHOSPHOR		ZINC	
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HR		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	PH	PHENOL	AS P	FTU	AS ZN	
870126	1010	19422	7.92	0.2<W	0.031	11.20	0.003
870223	1005	19432					NO DATA SM
870310	1120	19442	7.92	0.2<W	0.004<T	8.20	0.005
870414	1210	19452	8.25	0.2<W	0.027	8.40	0.001<W
870505	0950	19462	8.28	0.2<W	0.027	6.20	0.001<
870609	1050	19472	8.13	0.2<W	0.055	14.20	0.003
870728	1025	19482	8.15	NO DATA NR	0.085	7.70	0.006
870914	1105	19502	8.18		0.055	8.30	0.002
871027	1115	19511	8.01	0.2<W	0.019	17.10	NO DATA IS
871117	1040	19520	8.25	0.2<W	0.019	5.30	0.002
		MAXIMUM	8.28	0.2	0.085	17.10	0.006
		ARITH MEAN	8.12	0.2<A	0.036<A	9.62	0.003<A
		GEOM MEAN	8.12	0.2<A	0.027<A	9.02	
		MINIMUM	7.92	0.2	0.004	5.30	0.001
		STD DEV (GEOM *)	0.14	0.0<A	0.025<A	3.85	
		# SAMP IN STATISTICS	9	7	9	9	7
		% SAMP (EXCLUDED)					12

B.O.W./ SITE: SOUTH RAISIN RIVER  
 SAMPLE POINT: AT CO.RD.NO.20 SOUTH OF CASHIONGLEN  
 STATION TYPE: RIVER

STATION ID: 12-0073-015-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER  
 TERM STREAM: RAISIN RIVER

STORET CODE: 02  
 005  
 0250

LAT: 45 06 00.24 LONG: 074 40 37.83 U T M: 18 0525400.0 4993900.0 4 REGION: 04 DISTANCE: 17.863

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03						
870126	1035	19423	0.30	0101	314.8	1.3	63.00	817.0			
870223	1030	19433	0.30	0101			NO DATA SM		NO DATA SM	NO DATA SM	9.90
870310	1235	19443	0.30	0101	206.2	2.7	0.0003<	190.00	984.0	0.001	9.20
870414	1230	19453	0.30	0101	246.9	1.9	0.0003<	49.10	634.0	0.001	12.30
870505	1015	19463	0.30	0101	261.5	1.3	0.0003<	61.00	700.0	0.002	10.60
870609	1035	19473	0.30	0101	223.4	1.1	0.0030<	78.50	790.0	0.005<	6.70
870728	1040	19483	0.30	0101	173.3	0.5<	NO DATA BT	44.05	548.0	NO DATA BT	6.70
870914	1130	19503	0.30	0101	208.1	1.2	0.0003<	104.00	828.0	0.006	9.08
871027	1145	19512	0.30	0101	253.9	1.2	0.0003<	74.50	807.0	0.004	9.60
871117	1110	19521	0.30	0101	268.1	0.8<T	0.0003<	86.10	857.0	0.004	10.70
MAXIMUM		0.30			314.8	2.7		190.00	984.0	0.006	12.30
ARITH MEAN		0.30			239.6	1.4<A		83.36	773.9	0.003	9.42
GEOM MEAN					236.3			75.81	763.8		9.25
MINIMUM		0.30			173.3	0.8		44.05	548.0	0.001	6.70
STD DEV (GEOM *)					41.8			44.08	129.1		1.82
# SAMP IN STATISTICS		10			9	8		9	9	6	9
% SAMP (EXCLUDED)						11				14	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON UNF.TOT. MG/L AS FE		WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	NH3-N TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	K'DAHL N TOTAL UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.								
870126	1035	19423	4			2.860	0.402	0.690	0.0105	0.970	
870223	1030	19433	NO DATA SM	4	1.0						NO DATA SM
870310	1235	19443	0.690	8		3.750	0.414	1.310	0.0245	1.000	0.009
870414	1230	19453	0.570	8	10.0	2.270	0.032	0.370	0.0135	0.340	0.003<
870505	1015	19463	0.950	8	11.0	2.630	0.036	0.095<T	0.0095	0.560	0.003<
870609	1035	19473	3.400	8	16.0	4.360	0.022	2.010	0.1250	0.900	0.030<
870728	1040	19483	NO DATA BT	3	18.0	0.01<	0.046	0.245	0.0160	0.630	NO DATA BT
870914	1130	19503	1.300	8	18.0	5.000	0.162	0.640	0.0400	0.925	0.003<
871027	1145	19512	0.560		5.0	4.060	0.052	0.180	0.0130	0.660	0.003<
871117	1110	19521	0.530		3.0	3.490	0.024	0.875	0.0120	0.510	0.003<

( C O N T D )

B.O.W./ SITE: SOUTH RAISIN RIVER  
 SAMPLE POINT: AT CO.RD.NO.20 SOUTH OF CASHIONGLEN  
 STATION TYPE: RIVER

STATION ID: 12-0073-015-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST LAWRENCE RIVER  
 TERM STREAM: RAISIN RIVER

STORET CODE: 02  
 005  
 0250

LAT: 45 06 00.24 LONG: 074 40 37.83

U T M: 18 0525400.0 4993900.0 4

REGION: 04

DISTANCE: 17.863

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N	PBUT
		IRON UNF.TOT. MG/L AS FE		WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB
MAXIMUM		3.400		18.0		5.000	0.414	2.010	0.1250	1.000	0.009
ARITH MEAN		1.143		10.2		3.499	0.132	0.713<A	0.0293	0.722	0.009
GEOM MEAN		0.903		7.4		3.400	0.070	0.488<A	0.0195	0.684	
MINIMUM		0.530		1.0		2.270	0.022	0.095	0.0095	0.340	0.009
STD DEV (GEOM *)		1.033		6.8		0.882	0.162	0.620<A	0.0371	0.235	
# SAMP IN STATISTICS		7		8		9	9	9	9	9	1
% SAMP (EXCLUDED)											85

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
870126	1035	19423	7.91	0.2<W	0.047	22.00
870223	1030	19433				NO DATA SM
870310	1235	19443	7.99	0.2<W	0.005<T	16.40
870414	1230	19453	8.28	0.2<W	0.039	13.40
870505	1015	19463	8.24	0.2<W	0.063	21.00
870609	1035	19473	8.10	0.2<W	0.167	67.00
870728	1040	19483	8.14	NO DATA NR	0.086	24.00
870914	1130	19503	8.12		0.140	30.00
871027	1145	19512	7.93	0.2<T	0.052	4.40
871117	1110	19521	8.24	0.2<W	0.039	15.40
MAXIMUM		8.28	0.2	0.167	67.00	0.024
ARITH MEAN		8.11	0.2<A	0.071<A	23.73	0.010<A
GEOM MEAN		8.10	0.2<A	0.051<A	19.06	
MINIMUM		7.91	0.2	0.005	4.40	0.001
STD DEV (GEOM *)		0.14	0.0<A	0.052<A	17.77	
# SAMP IN STATISTICS		9	7	9	9	6
% SAMP (EXCLUDED)						14

B.O.W./ SITE: DELISLE RIVER  
 SAMPLE POINT: AT CNR TRESTLE DNSTR.OF ALEXANDRIA  
 STATION TYPE: RIVER

STATION ID: 12-0086-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST.LAWRENCE RIVER  
 TERM STREAM: DELISLE RIVER

STORET CODE: 02  
 005  
 0040

LAT: 45 19 21.44 LONG: 074 36 09.17 U T M: 18 0531150.0 5018650.0 4 REGION: 04 DISTANCE: 44.578

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL MG/L	TOT.DEM. MG/L	UNF.TOT. MG/L	UNF.REAC MG/L	25C UMHO/CM	UNF.TOT. MG/L	UNF.TOT. MG/L	OXYGEN MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870126	0100	19428	0101	223.1	3.3	0.0003<	27.90	528.0	0.001	0.002	
870223	1310	19438	0101	220.9	2.6		45.80	588.0			13.40
870310	1415	19448	0101	194.2	2.8	0.0003<	33.80	485.0	0.001	0.004	10.80
870414	0430	19458	0101	178.6	1.8	0.0003<	17.40	410.0	0.004	0.005	10.90
870505	1155	19468	0101	190.8	1.5	0.0003<	26.25	453.0	0.002	0.001	11.00
870609	1315	19478	0101	185.5	0.1<W	0.0003<	15.75	434.0	0.003	0.003	7.10
870728	0120	19488	0101	173.2	0.5<	NO DATA BT	14.50	396.0	NO DATA BT	NO DATA BT	6.60
870914	1500	19508	0101	181.7	1.7	0.0003<	23.70	478.0	0.005	0.003	10.07
871027		19517	0101	229.0	1.2	0.0003<	22.90	532.0	0.004	0.002	9.10
871117	1425	19526	0101	213.2	1.7	0.0003<	23.10	519.0	0.003	0.002	13.00
MAXIMUM		0.30		229.0	3.3		45.80	588.0	0.005	0.005	13.40
ARITH MEAN		0.30		199.0	1.9<A		25.11	482.3	0.003	0.003	10.22
GEOM MEAN				198.1			23.72	478.9	0.002	0.002	9.96
MINIMUM		0.30		173.2	0.1		14.50	396.0	0.001	0.001	6.60
STD DEV (GEOM *)				20.6			9.33	60.5	0.001	0.001	2.33
# SAMP IN STATISTICS		10		10	9		10	10	8	8	9
% SAMP (EXCLUDED)					10						

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	PH
		IRON			POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD	
SAMPLE DATE	HOUR	UNF.TOT. MG/L	STREAM	WATER	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.	PH
YYMMDD	LMT	AS FE	COND.	TEMP DEG.C	AS K	AS N	AS N	AS N	AS N	AS PB	
870126	0100	0.510	4		1.600	0.666	0.690	0.0160	1.060	0.003<	7.91
870223	1310		4	1.0	1.820	0.956	0.565	0.0150	1.830		7.95
870310	1415	0.600	8		2.090	0.442	1.330	0.0205	0.50	0.007	7.92
870414	0430	0.690	8	11.0	1.510	0.158	0.795	0.0485	0.720	0.003<	8.27
870505	1155	0.690	8	12.0	1.500	0.046	0.140	0.0165	0.800	0.003<	8.39
870609	1315	1.500	8	16.0	2.210	0.012	3.020	0.2130	1.180	0.003<	8.04
870728	0120	NO DATA BT	8	17.0	2.330	0.084	0.815	0.0485	1.070	NO DATA BT	8.11
870914	1500	1.400	8	16.0	3.700	0.082	1.330	0.0925	0.980	0.003<	7.94
871027		0.560		5.0	2.630	0.118	0.880	0.0170	0.960	0.003<	8.04
871117	1425	0.450		3.0	1.890	0.242	1.020	0.0495	1.050	0.003<	8.26

( C O N T D )



B.O.W./ SITE: DELISLE RIVER  
 SAMPLE POINT: AT CNR TRESTLE DNSTR.OF ALEXANDRIA  
 STATION TYPE: RIVER

STATION ID: 12-0086-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST.LAWRENCE RIVER  
 TERM STREAM: DELISLE RIVER

STORET CODE: 02  
 005  
 0040

LAT: 45 19 21.44 LONG: 074 36 09.17

U T M: 18 0531150.0 5018650.0 4

REGION: 04

DISTANCE: 44.578

*=INTERIM	TEST-NAME:	FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	PH
		IRON			POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD	
SAMPLE		UNF.TOT.		WATER	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.	
DATE	HOUR	MG/L	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	AS FE	COND.	DEG.C	AS K	AS N	AS N	AS N	AS N	AS PB	PH
	MAXIMUM	1.500		17.0	3.700	0.956	3.020	0.2130	1.830	0.007	8.39
	ARITH MEAN	0.800		10.1	2.128	0.281	1.058	0.0537	1.01	0.007	8.08
	GEOM MEAN	0.726		7.4	2.049	0.147	0.837	0.0355	0.96		8.08
	MINIMUM	0.450		1.0	1.500	0.012	0.140	0.0150	0.50	0.007	7.91
	STD DEV (GEOM *)	0.410		6.3	0.665	0.313	0.773	0.0612	0.35		0.17
	# SAMP IN STATISTICS	8		8	10	10	10	10	10	1	10
	% SAMP (EXCLUDED)									87	

*=INTERIM	TEST-NAME:	PPUT	TURB	ZNUT
		PHOSPHOR		ZINC
SAMPLE		UNF.TOT.		UNF.TOT.
DATE	HOUR	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS P	FTU	AS ZN
870126	0100	19428	0.079	16.60
870223	1310	19438	0.213	11.60
870310	1415	19448	0.045	10.60
870414	0430	19458	0.069	16.70
870505	1155	19468	0.138	16.30
870609	1315	19478	0.106	45.00
870728	0120	19488	0.084	14.20
870914	1500	19508	0.163	33.00
871027		19517	0.089	10.50
871117	1425	19526	0.089	13.30
	MAXIMUM	0.213	45.00	0.390
	ARITH MEAN	0.107	18.78	0.062
	GEOM MEAN	0.098	16.65	
	MINIMUM	0.045	10.50	0.002
	STD DEV (GEOM *)	0.050	11.27	
	# SAMP IN STATISTICS	10	10	7
	% SAMP (EXCLUDED)			12

## 45

**STORET CODE: 02**  
**005**  
**0040**

**DISTANCE: 46.509**

MAXIMUM  
ARITH MEAN  
GEOM MEAN  
MINIMUM  
EV (GEOM \*)  
STATISTICS  
(EXCLUDED)

*INTERIM		TEST-NAME:	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N	PBUT
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	IRON UNF.TOT. MG/L	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L	POTASSIM UNF.REAC MG/L	TOTAL FIL.REAC MG/L	NO2+NO3N FIL.REAC MG/L	NO2-N FIL.REAC MG/L	TOTAL UNF.REAC MG/L	LEAD UNF.TOT. MG/L
			AS FE		AS HG	AS K	AS N	AS N	AS N	AS N	AS PB	
870126	1245	19427	0.540	8			1.200	0.148	0.605	0.0130	0.340	0.003<
870223	1245	19437		4	1.0		1.350	0.180	0.595	0.0160	0.810	
870310	1400	19447	NO DATA IS	8			1.920	0.154	1.230	0.0155	0.370	NO DATA IS
870414	0215	19457	0.420	8	12.0		1.220	0.026	0.720	0.0155	0.510	0.003<
870505	1140	19467	0.560	8	12.0		1.110	0.020	0.145	0.0080	0.620	0.003<
870609	1300	19477	1.300	8	16.0		1.580	0.018	2.060	0.0595	1.130	0.003<
870728	0110	19487	0.460	8	18.0	0.01<	1.990	0.036	0.780	0.0195	1.010	0.003<
870914	1445	19507	1.100	8	18.0		2.990	0.026	0.850	0.0215	0.890	0.003<
871027	1435	19516	NO DATA IS		6.0		2.190	0.006<T	0.855	0.0070	0.780	NO DATA IS
871117	1405	19525	0.420		3.0		1.570	0.008<T	0.820	0.0080	0.690	0.003<

( C O N T D )

B.O.W./ SITE: DELISLE RIVER  
 SAMPLE POINT: AT FIRST BRIDGE UPSTR.OF ALEXANDRIA  
 STATION TYPE: RIVER

STATION ID: 12-0086-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST.LAWRENCE RIVER  
 TERM STREAM: DELISLE RIVER

STORET CODE: 02  
 005  
 0040

LAT: 45 19 42.70 LONG: 074 37 06.44

U T M: 18 0529900.0 5019300.0 4

REGION: 04

DISTANCE: 46.509

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N	PBUT
		IRON UNF.TOT.		WATER TEMP	MERCURY UNF.TOT.	POTASSIM UNF.REAC	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	TOTAL UNF.REAC	LEAD UNF.TOT.
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	MG/L AS FE	STREAM COND.	DEG.C	UG/L AS HG	MG/L AS K	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB

MAXIMUM	1.300		18.0		2.990	0.180	2.060	0.0595	1.130	
ARITH MEAN	0.686		10.7		1.712	0.062<A	0.866	0.0183	0.715	
GEOM MEAN	0.620		7.8		1.635	0.033<A	0.732	0.0150	0.668	
MINIMUM	0.420		1.0		1.110	0.006	0.145	0.0070	0.340	
STD DEV (GEOM *)	0.360		6.7		0.579	0.069<A	0.500	0.0153	0.261	
# SAMP IN STATISTICS	7		8		10	10	10	10	10	
% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB	ZNUT ZINC UNF.TOT.	
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	PH	UG/L PHENOL	MG/L AS P	TURB'ITY FTU	MG/L AS ZN
870126	1245	19427	7.91	0.2<W	0.009<T	12.30	0.005
870223	1245	19437	8.03	0.2<W	0.040	15.50	
870310	1400	19447	7.93	0.2<W	0.012	14.60	NO DATA IS
870414	0215	19457	8.28	0.2<W	0.034	8.70	0.210
870505	1140	19467	8.29	0.2<W	0.039	12.80	0.001<
870609	1300	19477	8.12	0.2<W	0.075	29.00	0.011
870728	0110	19487	8.13	NO DATA NR	0.052	10.30	0.004
870914	1445	19507	8.00		0.079	26.00	0.007
871027	1435	19516	7.99	0.2<W	0.027	3.80	NO DATA IS
871117	1405	19525	8.30	0.2<W	0.032	10.60	0.002

MAXIMUM	8.30	0.2	0.079	29.00	0.210
ARITH MEAN	8.10	0.2<A	0.040<A	14.36	0.040
GEOM MEAN	8.10	0.2<A	0.033<A	12.55	
MINIMUM	7.91	0.2	0.009	3.80	0.002
STD DEV (GEOM *)	0.15	0.0<A	0.023<A	7.69	
# SAMP IN STATISTICS	10	8	10	10	6
% SAMP (EXCLUDED)					14

## 1987 WATER QUALITY DATA REGION 4

47

B.O.W./ SITE: GARRY RIVER  
 SAMPLE POINT: AT CNR TRESTLE ALEXANDRIA  
 STATION TYPE: RIVER

STATION ID: 12-0086-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST.LAWRENCE RIVER  
 TERM STREAM: DELISLE RIVER

STORET CODE: 02  
 005  
 0040

LAT: 45 18 59.06 LONG: 074 37 38.89 U T M: 18 0529200.0 5017950.0 4 REGION: 04 DISTANCE: 48.279

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CACO3							
870126	1230	19426	0.30	0101	164.8	1.6	0.0003<	11.10	351.0	0.001	0.001<W	7.00
870223	1230	19436	0.30	0101	168.3	1.0<T		9.65	356.0			13.30
870310	1345	19446	0.30	0101	172.8	2.0	0.0003<	18.70	376.0	0.001	0.001	12.30
870414	0200	19456	0.30	0101	102.2	1.6	0.0003<	8.45	231.0	0.001<	0.001<W	11.00
870505	1120	19466	0.30	0101	120.5	0.9<T	0.0003<	22.75	312.0	0.001	0.001	10.10
870609	1250	19476	0.30	0101	133.9	1.2	0.0003<	11.85	299.0	0.001	0.001<W	8.40
870728	1250	19486	0.30	0101	127.8	0.5	NO DATA BT	18.95	303.0	NO DATA BT	NO DATA BT	8.60
870914	1421	19506	0.30	0101	127.0	0.2<T	0.0003<	18.60	325.0	0.002	0.001	12.00
871027	1410	19515	0.30	0101	125.8	1.3	NO DATA IS	15.40	294.0	NO DATA IS	NO DATA IS	9.20
871117	1340	19524	0.30	0101	129.4	1.0<T	0.0003<	15.70	311.0	0.002	0.001	12.00
MAXIMUM		0.30			172.8	2.0		22.75	376.0	0.002	0.001	13.30
ARITH MEAN		0.30			137.2	1.1<A		15.11	315.8	0.001	0.001<A	10.39
GEOM MEAN					135.5	1.0<A		14.42	313.3		0.001<A	10.20
MINIMUM		0.30			102.2	0.2		8.45	231.0	0.001	0.001	7.00
STD DEV (GEOM *)					23.3	0.5<A		4.71	40.4		0.000<A	2.05
# SAMP IN STATISTICS		10			10	10		10	10	6	7	10
% SAMP (EXCLUDED)										14		

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NN02FR	NNTKUR	PBUT
		IRON UNF.TOT. MG/L AS FE		WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	NH3-N TOTAL FIL.REAC MG/L AS N	N02+N03N FIL.REAC MG/L AS N	N02-N FIL.REAC MG/L AS N	K'DAHL N TOTAL UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	STREAM COND.								
870126	1230	19426	0.340	8		0.990	0.224	0.095<T	0.0075	0.870	0.003<
870223	1230	19436		8	1.0	1.180	0.368	0.070<T	0.0090	0.970	
870310	1345	19446	0.580	8		1.330	0.450	0.155	0.0095	1.14	0.006
870414	0200	19456	0.099	8	13.0	0.770	0.042	0.050<T	0.0135	0.270	0.003<
870505	1120	19466	0.210	8	13.0	0.810	0.022	0.025<T	0.0055	0.430	0.003<
870609	1250	19476	0.290	8	18.0	0.860	0.098	0.100	0.0215	0.640	0.003<
870728	1250	19486	NO DATA BT	8	20.0	0.01<	0.770	0.040	0.030<T	0.610	NO DATA BT
870914	1421	19506	0.200	8	19.0	1.070	0.090	0.165	0.0140	0.850	0.003<
871027	1410	19515	NO DATA IS		7.5	0.910	0.006<T	0.065<T	0.0030<T	0.740	NO DATA IS
871117	1340	19524	0.130		5.0	0.880	0.048	0.070<T	0.0055	0.690	0.003<

(CONT'D)

B.O.W./ SITE: GARRY RIVER  
 SAMPLE POINT: AT CNR TRESTLE ALEXANDRIA  
 STATION TYPE: RIVER

STATION ID: 12-0086-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST.LAWRENCE RIVER  
 TERM STREAM: DELISLE RIVER

STORET CODE: 02  
 005  
 0040

LAT: 45 18 59.06 LONG: 074 37 38.89

U T M: 18 0529200.0 5017950.0 4

REGION: 04

DISTANCE: 48.279

*=INTERIM	TEST-NAME:	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD
SAMPLE		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	TOTAL	UNF.TOT.
DATE	HOUR	MG/L	STREAM	TEMP	UG/L	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
	MAXIMUM	0.580		20.0		1.330	0.450	0.165	0.0215	1.14	0.006
	ARITH MEAN	0.264		12.1		0.957	0.139<A	0.082<A	0.0093<A	0.72	0.006
	GEOM MEAN	0.227		9.0		0.942	0.071<A	0.070<A	0.0080<A	0.67	
	MINIMUM	0.099		1.0		0.770	0.006	0.025	0.0030	0.270	0.006
	STD DEV (GEOM *)	0.163		7.0		0.186	0.156<A	0.047<A	0.0056<A	0.25	
	# SAMP IN STATISTICS	7		8		10	10	10	10	10	1
	% SAMP (EXCLUDED)										85

*=INTERIM	TEST-NAME:	PH	PHNOL	PPUT	TURB	ZNUT	
			PHENOLS	PHOSPHOR		ZINC	
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	PH	PHENOL	AS P	FTU	AS ZN	
870126	1230	19426	7.85	0.2<W	0.026	6.70	0.002
870223	1230	19436	8.01	0.2<T	0.019	6.30	
870310	1345	19446	7.95	0.2<W	0.055	5.20	0.011
870414	0200	19456	8.19	0.2<W	0.019	1.89	0.007
870505	1120	19466	8.20	0.2<T	0.029	3.80	0.001<
870609	1250	19476	8.08	0.2<W	0.026	4.60	0.036
870728	1250	19486	8.21	NO DATA NR	0.044	4.70	NO DATA BT
870914	1421	19506	7.95		0.023	2.90	0.002<
871027	1410	19515	7.77	0.2<W	0.027	1.30	NO DATA IS
871117	1340	19524	8.14	0.2<W	0.064	3.30	0.002
	MAXIMUM	8.21	0.2	0.064	6.70	0.036	
	ARITH MEAN	8.03	0.2<A	0.033	4.07	0.012	
	GEOM MEAN	8.03	0.2<A	0.030	3.65		
	MINIMUM	7.77	0.2	0.019	1.30	0.002	
	STD DEV (GEOM *)	0.15	0.0<A	0.016	1.77		
	# SAMP IN STATISTICS	10	8	10	10	5	
	% SAMP (EXCLUDED)					28	

## 1987 WATER QUALITY DATA REGION 4

49

B.O.W./ SITE: GARRY RIVER  
 SAMPLE POINT: AT FIRST BRIDGE UPSTR.OF ALEXANDRIA  
 STATION TYPE: RIVER

STATION ID: 12-0086-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST.LAWRENCE RIVER  
 TERM STREAM: DELISLE RIVER

STORET CODE: 02  
 005  
 0040

LAT: 45 18 08.95 LONG: 074 38 15.95

U T M: 18 0528400.0 5016400.0 4

REGION: 04

DISTANCE: 50.049

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL MG/L	TOT.DEM. MG/L	UNF.TOT. MG/L	UNF.REAC MG/L	25C UMHO/CM	UNF.TOT. MG/L	UNF.TOT. MG/L	OXYGEN MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870126	1215	19425	0101	164.9	0.4<T	0.0003<	7.20	340.0	0.001<	0.001	3.00
870223	1215	19435	0101	167.2	0.8<T		6.20	344.0			5.80
870310	1330	19445	0101	172.9	1.9	0.0003<	13.40	357.0	0.001<	0.001<W	8.20
870414	0145	19455	0101	91.8	1.5	0.0003<	4.20	196.0	0.001<	0.001<W	8.20
870505	1035	19465	0101	108.9	1.1	0.0003<	0.90	229.0	0.001<	0.001<W	8.40
870609	1240	19475	0101	117.2	0.9<T	NO DATA BT	13.10	271.0	NO DATA BT	NO DATA BT	6.20
870728	1225	19485	0101	124.6	0.5<	0.0003<	8.10	264.0	0.001<	0.001<W	4.00
870914	1400	19505	0101	102.3	0.3<T	0.0003<	9.25	242.0	0.001<	0.001<	6.06
871027	1350	19514	0101	118.3	0.8<T	NO DATA IS	6.60	254.0	NO DATA IS	NO DATA IS	7.00
871117	1325	19523	0101	118.2	1.2	0.0003<	6.60	256.0	0.001	0.001<	11.00
MAXIMUM		0.30		172.9	1.9		13.40	357.0	0.001	0.001	11.00
ARITH MEAN		0.30		128.6	1.0<A		7.55	275.3	0.001	0.001<A	6.79
GEOM MEAN				125.8			6.29	270.7			6.39
MINIMUM		0.30		91.8	0.3		0.90	196.0	0.001	0.001	3.00
STD DEV (GEOM *)				29.0			3.76	53.8			2.32
# SAMP IN STATISTICS		10		10	9		10	10	1	5	10
% SAMP (EXCLUDED)					10				85	28	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD
SAMPLE DATE	HOUR	UNF.TOT. MG/L	STREAM	WATER	UNF.TOT. UG/L	UNF.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	UNF.REAC MG/L	UNF.TOT. MG/L
YYMMDD	LMT	AS FE	COND.	TEMP DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870126	1215	0.140	4			1.000	0.216	0.085<T	0.0060	0.940	0.003<
870223	1215		4	1.0		1.130	0.478	0.075<T	0.0070	1.100	
870310	1330	0.170	4			1.220	0.426	0.135	0.0070	1.100	0.006
870414	0145	0.130	8	12.0		0.610	0.066	0.030<T	0.0125	0.320	0.003<
870505	1035	0.150	8	13.0		0.420	0.024	0.020<T	0.0050	0.540	0.003<
870609	1240	NO DATA BT	8	17.0		0.420	0.028	0.020<W	0.0100	0.590	NO DATA BT
870728	1225	0.130	8	18.0	0.01<	0.310	0.022	0.020<W	0.0020<T	0.570	0.003<
870914	1400	0.048	8	17.0		0.980	0.024	0.030<T	0.0050	0.730	0.003<
871027	1350	NO DATA IS		5.0		0.870	0.004<T	0.050<T	0.0015<T	0.730	NO DATA IS
871117	1325	0.050		3.0		0.620	0.046	0.035<T	0.0030<T	0.650	0.003<

( C O N T D )

B.O.W./ SITE: GARRY RIVER  
 SAMPLE POINT: AT FIRST BRIDGE UPSTR.OF ALEXANDRIA  
 STATION TYPE: RIVER

STATION ID: 12-0086-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: ST.LAWRENCE RIVER  
 TERM STREAM: DELISLE RIVER

STORET CODE: 02  
 005  
 0040

LAT: 45 18 08.95 LONG: 074 38 15.95 U T M: 18 0528400.0 5016400.0 4 REGION: 04 DISTANCE: 50.049

*=INTERIM		TEST-NAME:	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NN02FR	NNTKUR	PBUT
			IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD
SAMPLE		UNF.TOT.			WATER	UNF.TOT.	UNF.REAC	FIL.REAC	NO2+NO3N	NO2-N	UNF.REAC	UNF.TOT.
DATE	HOUR	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS N	AS PB
		MAXIMUM	0.170		18.0	1.220	0.478	0.135	0.0125	1.100	0.006	
		ARITH MEAN	0.117		10.7	0.758	0.133<A	0.050<A	0.0059<A	0.727	0.006	
		GEOM MEAN	0.105		7.7	0.690	0.053<A	0.040<A	0.0049<A	0.685		
		MINIMUM	0.048		1.0	0.310	0.004	0.020	0.0015	0.320	0.006	
		STD DEV (GEOM *)	0.048		6.8	0.324	0.179<A	0.038<A	0.0035<A	0.252		
		# SAMP IN STATISTICS	7		8	10	10	10	10	10	1	
		% SAMP (EXCLUDED)									85	

*=INTERIM		TEST-NAME:	PH	PHNOL	PPUT	TURB	ZNUT
			PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF-REAC	UNF.TOT.	UNF.TOT.	TURB'ITY	UNF.TOT.	
DATE	HOUR	UG/L	MG/L	MG/L	FTU	MG/L	
YYMMDD	LMT	AS P	AS P	AS ZN		AS ZN	
870126	1215	19425	7.61	0.2<W	0.011	2.70	0.004
870223	1215	19435	7.67	0.2<T	0.016	1.30	
870310	1330	19445	7.73	0.2<W	0.005<T	2.10	0.014
870414	0145	19455	7.88	0.2<W	0.022	1.45	0.008
870505	1035	19465	7.96	0.2<T	0.059	2.70	0.001<
870609	1240	19475	7.76	0.2<W	0.016	3.20	NO DATA BT
870728	1225	19485	7.56	NO DATA NR	0.013	1.75	0.003
870914	1400	19505	7.53		0.015	0.70	0.002<
871027	1350	19514	7.65	0.2<T	0.020	8.20	NO DATA IS
871117	1325	19523	7.97	0.2<T	0.022	0.90	0.001<
		MAXIMUM	7.97	0.2	0.059	8.20	0.014
		ARITH MEAN	7.73	0.2<A	0.020<A	2.50	0.007
		GEOM MEAN	7.73	0.2<A	0.017<A	1.96	
		MINIMUM	7.53	0.2	0.005	0.70	0.003
		STD DEV (GEOM *)	0.16	0.0<A	0.015<A	2.16	
		# SAMP IN STATISTICS	10	8	10	10	4
		% SAMP (EXCLUDED)					42

## 1987 WATER QUALITY DATA REGION 4

51

B.O.W./ SITE: PICTON CREEK  
 SAMPLE POINT: AT CONSERVATION AREA POUND  
 STATION TYPE: RIVER

STATION ID: 17-0008-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: PICTON CREEK

STORET CODE: 02  
 004  
 1710

LAT: 44 00 14.81 LONG: 077 07 14.75 U T M: 18 0329975.0 4874300.0 4 REGION: 04 DISTANCE: 1.287

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
				TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
SAMPLE		SAMPLE	PROJECT	MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
DATE	HOUR	DEPTH	SUB-PROJ	AS CACO3	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
YYMMDD	LMT	NUMBER	CODE								
870224	0925	27809	0101	258.4	0.5<T	0.0030<	16.40	525.0	0.005<	0.003<	
870428	0900	27827	0101	224.0	0.8<T	0.0003<	5.35	426.0	0.001<	0.001<W	3.00
870601		27836	0101	206.3	1.1	0.0003<	3.60	386.0	0.001<	0.002	9.00
870929	0839	27872	0101	79.8	0.4<T	0.0003<	5.35	187.0	0.002	0.001	5.00
MAXIMUM		0.30		258.4	1.1		16.40	525.0	0.002	0.002	9.00
ARITH MEAN		0.30		192.1	0.7<A		7.67	381.0	0.002	0.001<A	5.67
GEOM MEAN				175.7	0.6<A		6.41	356.5			5.13
MINIMUM		0.30		79.8	0.4		3.60	187.0	0.002	0.001	3.00
STD DEV (GEOM *)				77.9	0.3<A		5.87	141.9			3.06
# SAMP IN STATISTICS		4		4	4		4	4	1	3	3
% SAMP (EXCLUDED)									75	25	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	PH
		IRON			POTASSIM	NH3-N			K'DAHL N	LEAD	
		UNF.TOT.		WATER	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	TOTAL	UNF.TOT.	
SAMPLE		MG/L	STREAM	TEMP	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	MG/L	
DATE	HOUR	AS FE	COND.	DEG.C	AS K	MG/L	MG/L	MG/L	MG/L	AS PB	PH
YYMMDD	LMT					AS N	AS N	AS N	AS N		
870224	0925	27809	4 8	1.0	0.670	0.014	0.060<T	0.0035<T	0.230	0.030<	8.19
870428	0900	27827	6 8	10.0	0.850	0.002<T	0.050<T	0.0035<T	0.330	0.008	8.21
870601		27836	8	24.0	0.510	0.034	0.020<T	0.0050	0.260	0.003<	8.39
870929	0839	27872	7		1.390	0.086	0.025<T	0.0045<T	0.600	0.003<	8.32
MAXIMUM		0.180		24.0	1.390	0.086	0.060	0.0050	0.600	0.008	8.39
ARITH MEAN		0.127		11.7	0.855	0.034<A	0.039<A	0.0041<A	0.355	0.008	8.28
GEOM MEAN		0.120		6.2	0.797	0.017<A	0.035<A	0.0041<A	0.330		8.28
MINIMUM		0.079		1.0	0.510	0.002	0.020	0.0035	0.230	0.008	8.19
STD DEV (GEOM *)		0.050		11.6	0.383	0.037<A	0.019<A	0.0007<A	0.169		0.09
# SAMP IN STATISTICS		4		3	4	4	4	4	4	1	4
% SAMP (EXCLUDED)										75	

( C O N T D )



B.O.W./ SITE: PICTON CREEK  
 SAMPLE POINT: AT CONSERVATION AREA POUND  
 STATION TYPE: RIVER

STATION ID: 17-0008-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: PICTON CREEK

STORET CODE: 02  
 004  
 1710

LAT: 44 00 14.81 LONG: 077 07 14.75

U T M: 18 0329975.0 4874300.0 4

REGION: 04

DISTANCE: 1.287

*=INTERIM TEST-NAME:		PHNOL	PPUT	TURB	ZNUT
		PHENOLS	PHOSPHOR		ZINC
SAMPLE		UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HR	UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	PHENOL	AS P	FTU	AS ZN
870224	0925	27809 NO DATA NR	0.018	2.30	0.016
870428	0900	27827 0.2<W	0.035	6.80	0.003
870601		27836 0.2<W	0.011	3.30	0.005
870929	0839	27872 0.4<T	0.058	3.90	0.004
MAXIMUM		0.4	0.058	6.80	0.016
ARITH MEAN		0.3<A	0.030	4.07	0.007
GEOM MEAN		0.3<A	0.025	3.77	0.006
MINIMUM		0.2	0.011	2.30	0.003
STD DEV (GEOM *)		0.1<A	0.021	1.93	0.006
# SAMP IN STATISTICS		3	4	4	4
% SAMP (EXCLUDED)					

## 1987 WATER QUALITY DATA REGION 4

53

B.O.W./ SITE: MARSH CREEK  
 SAMPLE POINT: AT BRIDGE STREET, PICTON  
 STATION TYPE: RIVER

STATION ID: 17-0008-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: BAY OF QUINTE(PICTON BAY)

STORET CODE: 02  
 004  
 1710

LAT: 44 00 59.13 LONG: 077 08 11.35 U T M: 18 0328750.0 4875700.0 4 REGION: 04

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5 BOD 5 DAY	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O
870224	1340	27817	0.30	0101	189.3	2.2	0.0030<	38.80	553.0	0.005<	0.008	
870428	1230	27835	0.30	0101	215.9	5.8	0.0003<	22.00	519.0	0.001	0.003	7.00
870601		27844	0.30	0101	186.1	1.4	0.0003<	42.30	656.0	0.001<	0.005	12.00
870929	1250	27880	0.30	0101	147.3	12.0<=>	0.0003<	47.80	677.0	0.002	0.006	3.00
MAXIMUM		0.30			215.9	12.0		47.80	677.0	0.002	0.008	12.00
ARITH MEAN		0.30			184.6	5.3		37.72	601.2	0.001	0.005	7.33
GEOM MEAN					183.0	3.8		36.25	597.5		0.005	6.32
MINIMUM		0.30			147.3	1.4		22.00	519.0	0.001	0.003	3.00
STD DEV (GEOM *)					28.3	4.8		11.12	77.1		0.002	4.51
# SAMP IN STATISTICS		4			4	4		4	4	2	4	3
% SAMP (EXCLUDED)										50		

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N	PBUT	
SAMPLE DATE YYMMDD	HOUR LMT	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	
870224	1340	27817	1.200	6 8	1.0	0.12	4.770	1.680	3.180	0.0980	2.060	0.030<
870428	1230	27835	0.690	6 8 0	12.0	0.12	3.530	1.110	2.280	0.1650	1.200	0.003<
870601		27844	0.390	8	23.0	0.13	6.820	1.100	5.130	0.2500	1.890	0.003<
870929	1250	27880	0.520	7		0.10	8.660	1.370	11.800	2.9800	2.800	0.005
MAXIMUM		1.200		23.0	0.13	8.660	1.680	11.800	2.9800	2.800	0.005	
ARITH MEAN		0.700		12.0	0.12	5.945	1.315	5.597	0.8732	1.987	0.005	
GEOM MEAN		0.640		6.5	0.12	5.616	1.295	4.577	0.3313	1.902		
MINIMUM		0.390		1.0	0.10	3.530	1.100	2.280	0.0980	1.200	0.005	
STD DEV (GEOM *)		0.355		11.0	0.01	2.262	0.274	4.303	1.4059	0.657		
# SAMP IN STATISTICS		4		3	4	4	4	4	4	4	1	
% SAMP (EXCLUDED)											75	

( C O N T D )

B.O.W./ SITE: MARSH CREEK  
 SAMPLE POINT: AT BRIDGE STREET, PICTON  
 STATION TYPE: RIVER

STATION ID: 17-0008-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: BAY OF QUINTE(PICTON BAY)

STORET CODE: 02  
 004  
 1710

LAT: 44 00 59.13 LONG: 077 08 11.35 U T M: 18 0328750.0 4875700.0 4 REGION: 04

*=INTERIM TEST-NAME:		PH	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	PH			
870224 1340	27817	8.03	0.215	11.60	0.020
870428 1230	27835	8.04	0.310	13.70	0.015
870601	27844	8.09	0.400	4.40	0.012
870929 1250	27880	7.56	0.470	5.80	0.021
MAXIMUM		8.09	0.470	13.70	0.021
ARITH MEAN		7.93	0.349	8.87	0.017
GEOM MEAN		7.93	0.335	7.98	0.017
MINIMUM		7.56	0.215	4.40	0.012
STD DEV (GEOM *)		0.25	0.111	4.48	0.004
# SAMP IN STATISTICS		4	4	4	4
% SAMP (EXCLUDED)					

## 1987 WATER QUALITY DATA REGION 4

55

B.O.W./ SITE: DEMORESTVILLE CREEK  
 SAMPLE POINT: AT COUNTY ROAD 14  
 STATION TYPE: RIVER FLOW GAUGE FED 02HE003

STATION ID: 17-0014-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: DEMORESTVILLE CREEK

STORET CODE: 02  
 004  
 1460

		LAT: 44 05 26.28		LONG: 077 12 39.53		U T M: 18 0323000.0 4884100.0 4		REGION: 04		DISTANCE: 4.828	
*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD						
					5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
				ALK	TOT. DEM.	UNF. TOT.	UNF. REAC	25C	UNF. TOT.	UNF. TOT.	OXYGEN
				TOTAL	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
				AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
SAMPLE	DATE	DATE	DEPTH	PROJECT							
YYMMDD	HOUR	NUMBER	M	SUB-PROJ							
	LMT			CODE							
870224	1320	27816	0.30	0101	234.8	2.6	0.0030<	6.15	448.0	0.005<	0.003<
870428	1120	27834	0.30	0101	140.5	1.3	0.0003<	4.20	283.0	0.001	0.003
870601		27843	0.30	0101	185.7	2.3	0.0003<	5.35	348.0	0.001<	0.002
870929	1250	27879	0.30	0101	197.1	123.0<=>		168.00	1360.0		8.00
											6.00
		MAXIMUM	0.30		234.8	123.0		168.00	1360.0	0.001	0.003
		ARITH MEAN	0.30		189.5	32.3		45.92	609.7	0.001	0.002
		GEOM MEAN			186.4	5.6		12.34	494.9		7.00
		MINIMUM	0.30		140.5	1.3		4.20	283.0	0.001	0.002
		STD DEV (GEOM *)			38.8	60.5		81.39	504.7		6.00
		# SAMP IN STATISTICS	4		4	4		4	1	2	1.41
		% SAMP (EXCLUDED)							66	33	2
*=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
							NH3-N			K'DAHL N	
							TOTAL			TOTAL	
		IRON	STREAM			POTASSIM	FIL. REAC	NO2+NO3N	NO2-N	UNF. REAC	LEAD
		UNF. TOT.	FLOW			UNF. REAC	FIL. REAC	FIL. REAC	FIL. REAC	UNF. REAC	UNF. TOT.
		MG/L	M3	STREAM	WATER	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
		AS FE	/S	COND.	TEMP	AS K	AS N	AS N	AS N	AS N	AS PB
					DEG.C						
870224	1320	27816	3.300	0.088	4 8	2.0	2.400	0.436	0.020<T	0.0065	0.910
870428	1120	27834	0.100	0.219	6 8 0	11.0	1.150	0.008<T	0.020<T	0.0030<T	0.510
870601		27843	0.330	0.026	5	27.0	0.270	0.142	0.025<T	0.0120	1.130
870929	1250	27879		0.039	9		7.180	2.300	0.220	0.0495	25.500
											0.030<
		MAXIMUM	3.300	0.219		27.0	7.180	2.300	0.220	0.0495	25.500
		ARITH MEAN	1.243	0.093		13.3	2.750	0.721<A	0.071<A	0.0177<A	7.012
		GEOM MEAN	0.478	0.066		8.4	1.521	0.184<A	0.039<A	0.0104<A	1.912
		MINIMUM	0.100	0.026		2.0	0.270	0.008	0.020	0.0030	0.510
		STD DEV (GEOM *)	1.785	0.088		12.7	3.080	1.067<A	0.099<A	0.0215<A	12.328
		# SAMP IN STATISTICS	3	4		3	4	4	4	4	4
		% SAMP (EXCLUDED)									

( C O N T D )

B.O.W./ SITE: DEMORESTVILLE CREEK  
 SAMPLE POINT: AT COUNTY ROAD 14  
 STATION TYPE: RIVER FLOW GAUGE FED 02HE003

STATION ID: 17-0014-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: DEMORESTVILLE CREEK

STORET CODE: 02  
 004  
 1460

LAT: 44 05 26.28 LONG: 077 12 39.53

U T M: 18 0323000.0 4884100.0 4

REGION: 04

DISTANCE: 4.828

*=INTERIM TEST-NAME:		PH	PHNOL	PPUT	TURB	ZNUT	
			PHENOLS	PHOSPHOR		ZINC	
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR	SAMPLE	UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	NUMBER	PH	AS P	FTU	AS ZN	
870224	1320	27816	7.66	0.2<W	0.113	11.30	0.009
870428	1120	27834	7.98	0.6<T	0.019	2.30	0.004
870601		27843	8.33	0.8<T	0.185	3.20	0.004
870929	1250	27879	7.09	0.8	3.750	161.00	
MAXIMUM		8.33	0.8	3.750	161.00	0.009	
ARITH MEAN		7.76	0.6<A	1.017	44.45	0.006	
GEOM MEAN		7.75	0.5<A	0.196	10.76	0.005	
MINIMUM		7.09	0.2	0.019	2.30	0.004	
STD DEV (GEOM *)		0.53	0.3<A	1.823	77.81	0.003	
# SAMP IN STATISTICS		4	4	4	4	3	
% SAMP (EXCLUDED)							

## 1987 WATER QUALITY DATA REGION 4

57

B.O.W./ SITE: SANGUIN CREEK  
 SAMPLE POINT: AT COUNTY ROAD 28  
 STATION TYPE: RIVER

STATION ID: 17-0016-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: SANGUIN CREEK

STORET CODE: 02  
 004  
 1400

LAT: 44 06 11.21				LONG: 077 23 44.63				U T M: 18 0308250.0 4885900.0 4				REGION: 04		DISTANCE: 8.851	
*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO			
						BOD									
					ALK	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED			
SAMPLE			SAMPLE	PROJECT	TOTAL	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN			
DATE	HOUR	SAMPLE	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L			
YYMMDD	LMT	NUMBER	M	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O			
870224	1300	27815	0.30	0101	300.0	3.9	0.0030<	11.00	573.0	0.005<	0.003<				
870428	1100	27833	0.30	0101	192.6	2.1	NO DATA BT	6.50	370.0	NO DATA BT	NO DATA BT	6.00			
870601		27842	0.30	0101	165.9	1.0	0.0003<	3.30	310.0	0.001<	0.002	3.00			
870929	1250	27878	0.30	0101	156.5	2.8		13.40	336.0			8.00			
MAXIMUM			0.30		300.0	3.9		13.40	573.0		0.002	8.00			
ARITH MEAN			0.30		203.7	2.4		8.55	397.2		0.002	5.67			
GEOM MEAN					196.8	2.2		7.50	385.5			5.24			
MINIMUM			0.30		156.5	1.0		3.30	310.0		0.002	3.00			
STD DEV (GEOM *)					66.0	1.2		4.52	119.7			2.52			
# SAMP IN STATISTICS			4		4	4		4	4		1	3			
% SAMP (EXCLUDED)											50				
*=INTERIM		TEST-NAME:	FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	PH			
							NH3-N			K'DAHL N					
			IRON			POTASSIM	TOTAL	NO2+NO3N	NO2-N	TOTAL	LEAD				
SAMPLE			UNF.TOT.		WATER	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.				
DATE	HOUR	SAMPLE	MG/L	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	PH			
YYMMDD	LMT	NUMBER	AS FE	COND.	DEG.C	AS K	AS N	AS N	AS N	AS N	AS PB				
870224	1300	27815	6.100	4 8	2.0	2.030	0.430	0.020<T	0.0075	1.300	0.030<	7.56			
870428	1100	27833	NO DATA BT	6 8 0	13.0	1.570	0.078	0.020<T	0.0045<T	0.890	NO DATA BT	8.11			
870601		27842	0.580	5	26.0	0.850	0.042	0.020<W	0.0070	0.960	0.003<	8.23			
870929	1250	27878		7		1.750	0.058	0.020<W	0.0065	1.210		8.16			
MAXIMUM			6.100		26.0	2.030	0.430	0.020	0.0075	1.300		8.23			
ARITH MEAN			3.340		13.7	1.550	0.152	0.020<A	0.0064<A	1.090		8.01			
GEOM MEAN			1.881		8.8	1.476	0.095	0.020<A	0.0063<A	1.077		8.01			
MINIMUM			0.580		2.0	0.850	0.042	0.020	0.0045	0.890		7.56			
STD DEV (GEOM *)			3.903		12.0	0.504	0.186	0.000<A	0.0013<A	0.196		0.31			
# SAMP IN STATISTICS			2		3	4	4	4	4	4		4			
% SAMP (EXCLUDED)															

(CONT'D)

B.O.W./ SITE: SAWGUIN CREEK  
 SAMPLE POINT: AT COUNTY ROAD 28  
 STATION TYPE: RIVER

STATION ID: 17-0016-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: SAWGUIN CREEK

STORET CODE: 02  
 004  
 1400

LAT: 44 06 11.21 LONG: 077 23 44.63

U T M: 18 0308250.0 4885900.0 4

REGION: 04

DISTANCE: 8.851

*=INTERIM TEST-NAME:		PHNOL	PPUT	TURB	ZNUT	
		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR	UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	PHENOL	AS P	FTU	AS ZN	
870224	1300	27815	0.2<W	0.415	>200	0.003
870428	1100	27833	0.6<T	0.148	2.60	NO DATA BT
870601		27842	0.8<T	0.045	1.20	0.007
870929	1250	27878	0.4<T	0.067	1.80	
MAXIMUM		0.8	0.415	2.60	0.007	
ARITH MEAN		0.5<A	0.169	1.87	0.005	
GEOM MEAN		0.4<A	0.117	1.78	0.005	
MINIMUM		0.2	0.045	1.20	0.003	
STD DEV (GEOM *)		0.3<A	0.170	0.70	0.003	
# SAMP IN STATISTICS		4	4	3	2	
% SAMP (EXCLUDED)						

## 1987 WATER QUALITY DATA REGION 4

59

B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: HIGHWAY 401 BRIDGE NEAR TRENTON.  
 STATION TYPE: RIVER FLOW GAUGE FED 02HK004

STATION ID: 17-0021-045-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 07 39.40 LONG: 077 35 35.09

U T M: 18 0292540.0 4889100.0 4

REGION: 04

DISTANCE: 3.862

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT
						BOD					
					ALK	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER
					TOTAL	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.
					MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L
					AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU
SAMPLE	DATE	DATE	DEPTH	DEPTH	PROJECT						
DATE	DATE	DATE	DEPTH	DEPTH	SUB-PROJ						
YMMDD	YMMDD	YMMDD	DEPTH	DEPTH	CODE						
LMT	LMT	LMT	DEPTH	DEPTH	CODE						
870504	1030	26301	0.30		0101	116.4	1.0<T	0.0003<	6.90	257.0	0.001<
870601	0950	26306	0.30		0101	117.8	1.1	0.0003<	6.70	258.0	0.001<
870706	1035	26311	0.30		0101	104.8	0.3<T	0.0003	7.15	237.0	0.001<
870804	1350	26316	0.30		0101	103.5	3.7	0.0003<	8.45	240.0	0.001<
870909	0915	26321	0.30		0101	99.2	1.6	0.0003<	9.40	237.0	0.002
871005	1345	26326	0.30		0101	109.9	1.4	0.0003<	9.80	260.0	0.002
871102	1315	26331	0.30	0.30	0101	105.2	1.0<T	9.00	255.0		
871209	1345	26336	0.30	0.30	0101	118.1	1.2	0.0003<	8.50	276.0	0.002
		MAXIMUM	0.30	0.30		118.1	3.7	0.0003	9.80	276.0	0.002
		ARITH MEAN	0.30	0.30		109.4	1.4<A	0.0003	8.24	252.5	0.002
		GEOM MEAN				109.1	1.2<A		8.16	252.2	0.001<A
		MINIMUM	0.30	0.30		99.2	0.3	0.0003	6.70	237.0	0.002
		STD DEV (GEOM *)				7.3	1.0<A	1.18	13.6		0.001
		# SAMP IN STATISTICS	8	2		8	8	1	8	3	5
		% SAMP (EXCLUDED)						85		57	28
*=INTERIM TEST-NAME:		DO	FEUT	FWFLOW	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
								NH3-N			K'DAHL N
								TOTAL	NO2+NO3N	NO2-N	TOTAL
								FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC
								MG/L	MG/L	MG/L	MG/L
								AS N	AS N	AS N	AS N
SAMPLE	DATE	DATE	OXOGEN	IRON	STREAM	WATER	POTASSIM				
DATE	DATE	DATE	OXOGEN	UNF.TOT.	FLOW	TEMP	UNF.REAC				
YMMDD	YMMDD	YMMDD	MG/L	MG/L	M3	DEG.C	MG/L				
LMT	LMT	LMT	AS O	AS FE	/S	COND.	AS K				
870504	1030	26301	12.00	0.100	98.000	6 8	12.0	1.160	0.018	0.160	0.0040<T
870601	0950	26306	10.00	0.073	83.000	6 8	23.0	1.030	0.084	0.055<T	0.480
870706	1035	26311	10.00	0.060	43.900	8	24.0	0.940	0.052	0.020<W	0.450
870804	1350	26316	9.00	0.057	14.000	8	25.0	0.980	0.066	0.020<T	0.470
870909	0915	26321	11.00	0.089	24.700	8	20.0	1.130	0.052	0.090<T	0.670
871005	1345	26326	11.00	0.110	30.200	6 8	14.0	1.550	0.044	0.060<T	0.680
871102	1315	26331	13.00		64.100	8	9.0	1.530	0.040	0.060<T	0.630
871209	1345	26336	16.00	0.055	106.000	8	1.0	1.240	0.022	0.130	0.630
		MAXIMUM	16.00	0.110	106.000		25.0	1.550	0.084	0.175	0.0040<T
		ARITH MEAN	11.50	0.078	57.987		16.0	1.195	0.047	0.089<A	0.430
		GEOM MEAN	11.33	0.075	47.366		12.0	1.176	0.042	0.068<A	0.555
		MINIMUM	9.00	0.055	14.000		1.0	0.940	0.018	0.020	0.546
		STD DEV (GEOM *)	2.20	0.022	35.016		8.5	0.234	0.022	0.025	0.430
		# SAMP IN STATISTICS	8	7	8		8	8	8	0.061<A	0.107
		% SAMP (EXCLUDED)								0.0021<A	8

( C O N T D )



B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: HIGHWAY 401 BRIDGE NEAR TRENTON.  
 STATION TYPE: RIVER FLOW GAUGE FED 02HK004

STATION ID: 17-0021-045-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 07 39.40 LONG: 077 35 35.09

U T M: 18 0292540.0 4889100.0 4

REGION: 04

DISTANCE: 3.862

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT	
		LEAD		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HR	MG/L		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN	
870504	1030	26301	0.017	8.27	0.2<T	0.024	3.50	0.003
870601	0950	26306	0.003<	8.16	NO DATA NR	0.054	1.83	0.009
870706	1035	26311	0.003<	8.18	0.2<W	0.041	2.60	0.006
870804	1350	26316	0.003<	8.17	0.2<W	0.046	4.70	0.008
870909	0915	26321	0.003<	8.15		0.033	5.40	0.006
871005	1345	26326	0.003<	8.16	0.2<W	0.022	10.00	0.010
871102	1315	26331		8.14		0.030	2.20	
871209	1345	26336	0.003<	8.16	0.6<T	0.008<T	1.40	0.002
MAXIMUM		0.017	8.27	0.6	0.054	10.00	0.010	
ARITH MEAN		0.017	8.17	0.3<A	0.032<A	3.95	0.006	
GEOM MEAN			8.17	0.2<A	0.028<A	3.27	0.006	
MINIMUM		0.017	8.14	0.2	0.008	1.40	0.002	
STD DEV (GEOM *)			0.04	0.2<A	0.015<A	2.81	0.003	
# SAMP IN STATISTICS		1	8	5	8	8	7	
% SAMP (EXCLUDED)		85						

## 61

STORET CODE: 02  
004  
1220

[illegible]

( C O N T D )

B.O.W./ SITE: COLD CREEK.  
 SAMPLE POINT: HIGHWAY 33 BRIDGE IN FRANKFORD  
 STATION TYPE: RIVER FLOW GAUGE MOE 02HK108

STATION ID: 17-0021-046-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 12 03.25 LONG: 077 35 48.46

U T M: 18 0292500.0 4897250.0 4

REGION: 04

DISTANCE: 12.070

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB	ZNUT ZINC UNF.TOT.	
DATE	HR	SAMPLE	UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	NUMBER	PH	PHENOL	AS P	AS ZN	
870504	1050	26302	8.48	0.2<T	0.021	3.70	0.003
870601	1025	26307	8.38	0.4<T	0.085	1.52	0.012
870706	1100	26312	8.43	0.2<W	0.048	5.40	NO DATA IS
870804	1425	26317	8.43	0.2<W	0.061	11.40	0.013
870909	0940	26322	8.28		0.147	15.30	0.007
871005	1415	26327	8.47		0.015	3.50	0.005
871102	1415	26332	8.47		0.023	3.00	
871209	1415	26337	8.35	0.2<W	0.015	2.90	0.003
MAXIMUM		8.48	0.4	0.147	15.30	0.013	
ARITH MEAN		8.41	0.2<A	0.052	5.84	0.007	
GEOM MEAN		8.41	0.2<A	0.038	4.48	0.006	
MINIMUM		8.28	0.2	0.015	1.52	0.003	
STD DEV (GEOM *)		0.07	0.1<A	0.046	4.87	0.004	
# SAMP IN STATISTICS		8	5	8	8	6	
% SAMP (EXCLUDED)							

## 1987 WATER QUALITY DATA REGION 4

63

B.O.W./ SITE: RAMDON CREEK  
 SAMPLE POINT: AT HWY.NO.33 SOUTH OF STIRLING  
 STATION TYPE: RIVER FLOW GAUGE MOE 02HK105

STATION ID: 17-0021-047-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 17 11.42 LONG: 077 33 12.85

U T M: 18 0296250.0 4906650.0 4

REGION: 04

DISTANCE: 24.783

*=INTERIM TEST-NAME:		FMSADP	FWDPTS	FGPROJ	ALKT	BOD5 BOD 5 DAY TOT.DEM. MG/L AS O	CDUT	CLIDUR	COND25	CRUT	CUUT	
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE NUMBER	SAMPLE DEPTH M	WATER DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	
870504	1130	26303	0.30		0101	220.3	0.8<T	0.0030<	10.60	444.0	0.005<	0.003<
870601	1100	26308	0.30		0101	231.2	0.9<T	0.0030<	11.45	462.0	0.005<	0.003<
870706	1130	26313	0.30		0101	219.5	0.1<W	0.0030<	14.60	460.0	0.005<	0.003<
870804	1500	26318	0.30		0101	212.7	1.6	0.0003<	18.25	472.0	0.001<	0.001
870909	1000	26323	0.30		0101	197.2	1.3	0.0003<	14.85	452.0	0.006	0.002
871005	1445	26328	0.30		0101	239.4	0.6<T	0.0003<	16.85	523.0	0.004	0.001
871102	1445	26333	0.30	0.30	0101	228.1	1.3		15.30	511.0		
871209	1445	26338	0.30	0.30	0101	NO DATA BT	NO DATA BT	0.0003<	NO DATA BT	NO DATA BT	0.004	0.002
		MAXIMUM	0.30	0.30		239.4	1.6		18.25	523.0	0.006	0.002
		ARITH MEAN	0.30	0.30		221.2	0.9<A		14.56	474.9	0.005	0.001
		GEOM MEAN				220.8	0.7<A		14.33	474.1		
		MINIMUM	0.30	0.30		197.2	0.1		10.60	444.0	0.004	0.001
		STD DEV (GEOM *)				13.7	0.5<A		2.73	30.3		
		# SAMP IN STATISTICS	8	2		7	7		7	7	3	4
		% SAMP (EXCLUDED)									57	42

*=INTERIM TEST-NAME:		DO	FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N TOTAL FIL.REAC MG/L AS N	NNOTFR	NNO2FR	NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	PBUT	
SAMPLE DATE YYMMDD	HOURLMT	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	POTASSIM UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	
870504	1130	26303	14.00	0.110	8	10.5	1.120	0.028	0.525	0.0055	0.410	0.030<
870601	1100	26308	12.00	0.250	9	22.0	1.260	0.084	0.635	0.0295	0.610	0.030<
870706	1130	26313	12.00	0.180	8	24.0	1.510	0.046	0.760	0.0235	0.470	0.030<
870804	1500	26318	12.00	0.470	5 9	23.0	1.570	0.030	0.555	0.0105	0.880	0.006
870909	1000	26323	10.00	0.530	8	20.0	2.610	0.090	0.790	0.0205	0.650	0.003<
871005	1445	26328	12.00	0.230	8	12.0	2.590	0.016	0.635	0.0050	0.490	0.003<
871102	1445	26333	13.00		8	7.0	2.000	0.018	0.755	0.0080	0.540	
871209	1445	26338	15.00	0.190	8	2.0	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	0.003<
		MAXIMUM	15.00	0.530		24.0	2.610	0.090	0.790	0.0295	0.880	0.006
		ARITH MEAN	12.50	0.280		15.1	1.809	0.045	0.665	0.0146	0.579	0.006
		GEOM MEAN	12.42	0.246		12.0	1.724	0.036	0.658	0.0119	0.562	
		MINIMUM	10.00	0.110		2.0	1.120	0.016	0.525	0.0050	0.410	0.006
		STD DEV (GEOM *)	1.51	0.158		8.3	0.607	0.031	0.105	0.0098	0.156	
		# SAMP IN STATISTICS	8	7		8	7	7	7	7	7	1
		% SAMP (EXCLUDED)										85

( CONT D )

B.O.W./ SITE: RAWDON CREEK  
 SAMPLE POINT: AT HWY.NO.33 SOUTH OF STIRLING  
 STATION TYPE: RIVER FLOW GAUGE MOE 02HK105

STATION ID: 17-0021-047-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 17 11.42 LONG: 077 33 12.85

U T M: 18 0296250.0 4906650.0 4

REGION: 04

DISTANCE: 24.783

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	PH				
870504 1130	26303	8.36	0.2<T	0.015	2.00	0.020
870601 1100	26308	8.23	0.4<T	0.035	3.50	0.006
870706 1130	26313	8.27	0.2<W	0.024	4.20	0.008
870804 1500	26318	8.36	0.2<W	0.043	6.70	0.014
870909 1000	26323	8.12		0.115	16.50	0.008
871005 1445	26328	8.30	0.2<W	0.031	7.30	0.006
871102 1445	26333	8.35		0.025	11.20	
871209 1445	26338	NO DATA BT	0.2<W	NO DATA BT	NO DATA BT	0.006
MAXIMUM		8.36	0.4	0.115	16.50	0.020
ARITH MEAN		8.28	0.2<A	0.041	7.34	0.010
GEOM MEAN		8.28	0.2<A	0.034	5.96	0.009
MINIMUM		8.12	0.2	0.015	2.00	0.006
STD DEV (GEOM *)		0.09	0.1<A	0.034	5.04	0.005
# SAMP IN STATISTICS		7	6	7	7	7
% SAMP (EXCLUDED)						

## 65

STORET CODE: 02  
004  
1220

[illegible]

B.O.W./ SITE: BENTLEY CREEK  
 SAMPLE POINT: DNSTR. OF MADAWASKA MINE TAILINGS 70 1  
 STATION TYPE: RIVER

STATION ID: 17-0021-063-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 45 01 27.68 LONG: 077 55 27.99 U T M: 18 0269600.0 4989600.0 4 REGION: 04 DISTANCE: 188.288

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	FWSTRC	GACF GROSS ALPHA CT FILTERED BQ/L	GACP GROSS ALPHA CT UNDISSOL BQ/L	GBCF GROSS BETA CT FILTERED BQ/L	GBCP GROSS BETA CT UNDISSOL BQ/L	RA226F RADIUM 226 FIL. BQ/L	RA226T RADIUM 226 TOTAL BQ/L	UU238 URANIUM 238 UG/L	
SAMPLE DATE YYMMDD	HOURL MT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	STREAM COND.							
870319	1110	15689	0.30		8	0.61	0.04<	0.22	0.04<	0.015	0.015	8
870429	1110	15706	0.30	0101		0.54	0.04<	0.12	0.04<	0.045	0.086	12
870617	1115	15727	0.30		8	0.53	0.04<	0.17	0.06	0.029	0.029	8
870824	1120	15770	0.30	0101	8	1.2	0.06	0.39	0.16	0.076		27
871015	1110	15791	0.30	0101		2.1	0.04<	0.38	0.17	0.087		40
871104	1231	15796	0.30	0101		1.4	0.04<	0.61	0.10	0.88		25
MAXIMUM		0.30				2.1	0.06	0.61	0.17	0.88	0.086	40
ARITH MEAN		0.30				1.1	0.06	0.31	0.12	0.19	0.043	20
GEOM MEAN						0.9		0.27		0.07	0.033	17
MINIMUM		0.30				0.53	0.06	0.12	0.06	0.015	0.015	8
STD DEV (GEOM *)						0.6		0.18		0.34	0.038	13
# SAMP IN STATISTICS		6				6	1	6	4	6	3	6
% SAMP (EXCLUDED)							83		33			

B.O.W./ SITE: BENTLEY CREEK  
 SAMPLE POINT: UPSTR.OF MADAWASKA MINE TAILINGS 70 2  
 STATION TYPE: RIVER

STATION ID: 17-0021-064-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 45 01 20.46 LONG: 077 54 53.36

U T M: 18 0270350.0 4989350.0 4

REGION: 04

DISTANCE: 189.576

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	FWSTRC	GACF GROSS ALPHA CT FILTERED BQ/L	GACP GROSS ALPHA CT UNDISSOL BQ/L	GBCF GROSS BETA CT FILTERED BQ/L	GBCP GROSS BETA CT UNDISSOL BQ/L	RA226F RADIUM 226 FIL. BQ/L	RA226T RADIUM 226 TOTAL BQ/L	UU238 URANIUM 238 UG/L
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	STREAM COND.						
870319	1055	15688	0.30		8	0.31	0.04<	0.10	0.04<	0.009	5
870429	1050	15705	0.30		8	0.12	0.04<	0.11	0.04<	0.005<	3<
870617	1105	15726	0.30		8	0.19	0.04<	0.10	0.04<	0.017	3
870824	1135	15769	0.30	0101		0.24	0.04<	0.18	0.04	0.024	5
870917	1055	15786	0.30	0101		0.36	0.04<	0.18	0.05	0.009	8
871015	1100	15790	0.30	0101		0.65	0.04<	0.20	0.06	0.017	12
871104	1221	15795	0.30	0101		0.55	0.04<	0.22	0.05	0.55	11
MAXIMUM		0.30				0.65		0.22	0.06	0.55	12
ARITH MEAN		0.30				0.35		0.16	0.05	0.10	7
GEOM MEAN						0.30		0.15			
MINIMUM		0.30				0.12		0.10	0.04	0.009	3
STD DEV (GEOM *)						0.19		0.05			
# SAMP IN STATISTICS		7				7		7	4	6	6
% SAMP (EXCLUDED)									42	14	14



B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: NEW HIGHWAY 2 BRIDGE TRENTON  
 STATION TYPE: RIVER C FLOW GAUGE FED 02HK004

STATION ID: 17-0021-068-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 06 20.34 LONG: 077 34 43.95

U T M: 18 0293600.0 4886625.0 4

REGION: 04

DISTANCE: 0.805

*=INTERIM		TEST-NAME:	FWSADP	FWDPTS	FGPROJ	ALKT	ASUT	BOD5	CDUT	CLIDUR	COND25	CRUT
SAMPLE DATE	HOUR	SAMPLE	SAMPLE	WATER	PROJECT	ALK	ARSENIC	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM
YYMMDD	LMT	NUMBER	DEPTH	DEPTH	SUB-PROJ	TOTAL	UNF.TOT.	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.
			M	M	CODE	MG/L	MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CN	MG/L
						AS CAC03	AS AS	AS O	AS CD	AS CL-	AT 25 C	AS CR
870407	1230	44424	0.30		0103	119.0			0.0003<		276.0	
870430	1200	44460	0.30		0103	120.0			0.0003		265.0	
870504	1000	26300	0.30		0101	119.4	0.001<	1.3	0.0003<	6.75	258.0	0.001
870506	1300	44200	0.30		0103	118.4			0.0002<		261.0	
870513	0930	44201	0.30		0103	124.7			0.0002<		275.0	
870520	1100	44202	0.30		0103	119.7			0.0002<		262.0	
870527	0930	44203	0.30		0103	118.5			0.0002<		261.0	
870601	0930	26305	0.30	0.03	0101	119.3	0.001<	1.4	0.0003<	6.65	260.0	0.002
870603	0800	44204	0.30		0103	117.1			0.0002<		259.0	
870609	1100	44205	0.30		0103	111.2			0.0002<		253.0	
870617	1100	44206	0.30		0103	112.7			0.0100		253.0	
870624	0900	44207	0.30		0103	108.3			0.0003<		250.0	
870629	2030	44208	0.30		0103	104.7			0.0003<		235.0	
870706	0945	26310	0.30		0101	104.4	0.001<	1.0	0.0003<	7.20	238.0	0.001
870709	1100	44209	0.30		0103	105.9			0.0002<		242.0	
870715	1100	44210	0.30		0103	104.3			0.0002<		240.0	
870721	0930	44211	0.30		0103	106.6			0.0020		246.0	
870729	1900	44212	0.30		0103	104.0			0.0002<		240.0	
870804	1305	26315	0.30		0101	105.4	0.001<	2.7	0.0003<	9.05	245.0	0.001<
870805	1300	44213	0.30		0103	105.0			0.0002<		244.0	
870812	1300	44214	0.30		0103	103.6			0.0002<		241.0	
870820	0930	44215	0.30		0103	102.5			0.0002<		242.0	
870828	1030	44216	0.30		0103	102.6			0.0002<		243.0	
870901	1230	44217	0.30		0103	104.3			0.0002<		247.0	
870909	0850	26320	0.30		0101	100.8	0.001<	2.6	0.0003<	9.30	239.0	0.001
	1100	44218	0.30		0103	100.2			0.0002<		241.0	
870917	1230	44219	0.30		0103	103.1			0.0002<		246.0	
871005	1315	26325	0.30		0101	110.7	0.001<	2.1	0.0003<	9.85	261.0	0.003
871008	1200	44220	0.30		0103	109.3			0.0002		259.0	
871015	1100	44221	0.30		0103	108.8			0.0002<		257.0	
871023	1100	44222	0.30		0103	111.1			0.0002<		260.0	
871027	0930	44223	0.30		0103	111.2			0.0002<		260.0	
871102	1315	26330	0.30	0.30	0101	110.0	0.001<	2.9		9.00	262.0	
871106	1300	44224	0.30		0103	109.3			0.0003		260.0	
871112	1300	44225	0.30		0103	110.8			0.0006		264.0	
871124	1000	44227	0.30		0103	112.7			0.0002<		268.0	
871209	1315	25335	0.30	0.30	0101	117.9	0.001<	4.3	0.0003<	8.90	277.0	0.002
	1530	44227	0.30		0103	111.9			0.0002<		279.0	

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

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B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: NEW HIGHWAY 2 BRIDGE TRENTON  
 STATION TYPE: RIVER C FLOW GAUGE FED 02HK004

STATION ID: 17-0021-068-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 06 20.34 LONG: 077 34 43.95 U T M: 18 0293600.0 4886625.0 4 REGION: 04 DISTANCE: 0.805

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ALKT	ASUT	BOD5	CDUT	CLIDUR	COND25	CRUT
					ALK	ARSENIC	BOD				
					TOTAL	UNF.TOT.	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM
					MG/L	MG/L	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.
SAMPLE	DATE	SAMPLE	WATER	PROJECT	AS	AS	MG/L	MG/L	MG/L	UMHO/CM	MG/L
DATE	DATE	DEPTH	DEPTH	SUB-PROJ	CAC03	AS	AS	AS	AS	AT 25 C	AS CR
YYMMDD	YYMMDD	M	M	CODE			AS O	AS CD	AS CL-		
		MAXIMUM	0.30		124.7		4.3	0.0100	9.85	279.0	0.003
		ARITH MEAN	0.30		110.2		2.3	0.0022	8.34	254.4	0.002
		GEOM MEAN			110.1		2.1		8.25	254.2	
		MINIMUM	0.30		100.2		1.0	0.0002	6.65	235.0	0.001
		STD DEV (GEOM *)			6.5		1.1		1.26	12.0	
		# SAMP IN STATISTICS	37		38		8	6	8	38	6
		% SAMP (EXCLUDED)						83			14

*=INTERIM TEST-NAME:		CUUT	DO	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNOTFR	NNO2FR
		COPPER	DISOLVED	IRON	STREAM			MERCURY	POTASSIM	NO2+N03N	NO2-N
		UNF.TOT.	OXYGEN	UNF.TOT.	FLOW		WATER	UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC
		MG/L	MG/L	MG/L	M3	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L
SAMPLE	DATE	AS CU	AS O	AS FE	/S	COND.	DEG.C	AS HG	AS K	AS N	AS N
DATE	DATE										
YYMMDD	YYMMDD										
870407	1230	44424	0.001		570.000			0.01<		0.405	0.0120
870430	1200	44460	0.002		193.000			0.01<		0.095<T	0.0040<T
870504	1000	26300	0.001	13.00	0.083	6 8	11.0	0.03	1.140	0.125	0.0040<T
870506	1300	44200			64.800			0.01			
870513	0930	44201	0.017		43.500			0.01		0.050<T	0.0040<T
870520	1100	44202	0.003		76.000			0.01		0.040<T	0.0030<T
870527	0930	44203	0.001		70.800			0.01		0.060<T	0.0035<T
870601	0930	26305	0.001	10.00	0.068	8 9	24.0	0.01<	1.060	0.020<W	0.0070
870603	0800	44204	0.002		87.600			0.01		0.065<T	0.0145
870609	1100	44205	0.002		75.100			0.01		0.100	0.0155
870617	1100	44206	0.010		27.000			0.01		0.035<T	0.0070
870624	0900	44207	0.002		38.300			0.01		0.030<T	0.0030<T
870629	2030	44208	0.002		54.900			0.02		0.020<T	0.0030<T
870706	0945	26310	0.001	11.00	0.050	8	24.0	0.02	0.950	0.020<W	0.0020<T
870709	1100	44209	0.002		26.600			0.01		0.020<W	0.0010<T
870715	1100	44210	0.002		51.500			NO DATA SS		0.020<T	0.0020<T
870721	0930	44211	0.002		18.300			0.02		0.020<W	0.0045<T
870729	1900	44212	0.002		15.700			0.02		0.020<W	0.0030<T
870804	1305	26315	0.001<W	10.00	0.062	8	26.0	0.01<	1.000	0.020<T	0.0030<T
870805	1300	44213	0.003		22.000			0.01<		0.020<T	0.0030<T
870812	1300	44214	0.003		17.300			0.04		0.020<T	0.0045<T
870820	0930	44215	0.002		9.140			0.02		0.030<T	0.0010<W
870828	1030	44216	0.002		11.700			0.03		0.020<W	0.0015<T
870901	1230	44217	0.003		25.400			0.02		0.020<W	0.0015<T
870909	0850	26320	0.001<	11.00	0.076	9	20.0	0.05	1.170	0.020<W	0.0020<T

( C O N T D )

B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: NEW HIGHWAY 2 BRIDGE TRENTON  
 STATION TYPE: RIVER C FLOW GAUGE FED 02HK004

STATION ID: 17-0021-068-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 06 20.34 LONG: 077 34 43.95

U T M: 18 0293600.0 4886625.0 4

REGION: 04

DISTANCE: 0.805

*INTERIM TEST-NAME:		CUUT COPPER UNF.TOT. MG/L AS CU	DO DISOLVED OXYGEN MG/L AS O	FEUT IRON UNF.TOT. MG/L AS FE	FWFLOW STREAM FLOW M3 /S	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C	HGUT MERCURY UNF.TOT. UG/L AS HG	KKUR POTASSIM UNF.REAC MG/L AS K	NNOTFR NO2+NO3N FIL.REAC MG/L AS N	NNO2FR NO2-N FIL.REAC MG/L AS N
870909	1100	44218	0.002		24.700			0.01		0.020<T	0.0045<T
870917	1230	44219	0.001		38.200			0.02		0.020<T	0.0015<T
871005	1315	26325	0.002	12.00	30.200	8	15.0	0.01	1.540	0.030<T	0.0060
871008	1200	44220	0.002		36.700			0.02		0.070<T	0.0060
871015	1100	44221	0.002		32.200			0.02		0.120	0.0050
871023	1100	44222	0.003		42.000			0.02		0.020<W	0.0025<T
871027	0930	44223	0.002		83.100			0.02		0.145	0.0045<T
871102	1315	26330		14.00	64.100	5	9.0	NO DATA SS	1.570	0.020<W	0.0025<T
871106	1300	44224	0.001<		61.700			0.03		0.145	0.0055
871112	1300	44225	0.002		144.000			0.02		0.130	0.0050
871124	1000	44227	0.002		63.000			0.03		0.145	0.0045<T
871209	1315	25335	0.001	18.00	106.000	8	11.0	0.01	1.250	0.200	0.0050
	1530	44227	0.002		106.000			0.02		0.200	0.0050
MAXIMUM		0.017	18.00	0.100	570.000		26.0	0.05	1.570	0.405	0.0155
ARITH MEAN		0.003<A	12.37	0.073	68.267		17.5	0.02	1.210	0.069<A	0.0045<A
GEOM MEAN			12.15	0.072	45.962		16.3		1.191	0.044<A	0.0037<A
MINIMUM		0.001	10.00	0.050	9.140		9.0	0.01	0.950	0.020	0.0010
STD DEV (GEOM *)			2.67	0.016	92.181		6.8		0.233	0.079<A	0.0033<A
# SAMP IN STATISTICS		34	8	7	38		8	31	8	37	37
% SAMP (EXCLUDED)		5						13			

*INTERIM TEST-NAME:		NNTKUR K'DAHL N TOTAL UNF.REAC MG/L AS N	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PP04FR P04 FIL.REAC MG/L AS P	PPUT PHOSPHOR UNF.TOT. MG/L AS P	P1ALDR ALDRIN NG/L	P1BHCA BHC ALPHA NG/L	P1BHCB BHC BETA NG/L	P1BHCG BHC GAMMA NG/L
870407	1230	44424	0.003<	8.22		0.0010<T	0.035	1<W	2<T	1<W	1<W
870430	1200	44460	0.003<	8.24		0.0010<T	0.023				
870504	1000	26300	0.260	8.26		0.0010<T	0.019				
870506	1300	44200	0.003<	8.33			0.024				
870513	0930	44201	0.003<	8.21		0.0010<T	0.021				
870520	1100	44202	0.003<	8.23		0.0015<T	0.022				
870527	0930	44203	0.003<	8.13		0.0085	0.022				
870601	0930	26305	0.480	8.02		0.0185	0.049				
870603	0800	44204	0.003<	8.21		0.0040	0.022				
870609	1100	44205	0.003<	8.15		0.0040	0.017				
870617	1100	44206	0.010	8.28		0.0035	0.017				
870624	0900	44207	0.003<	8.08		0.0015<T	0.021				

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

71

B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: NEW HIGHWAY 2 BRIDGE TRENTON  
 STATION TYPE: RIVER C FLOW GAUGE FED 02HK004

STATION ID: 17-0021-068-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 06 20.34 LONG: 077 34 43.95

U T M: 18 0293600.0 4886625.0 4

REGION: 04

DISTANCE: 0.805

*=INTERIM		TEST-NAME:	NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PP04FR	PPUT	P1ALDR	P1BHCA	P1BHCB	P1BHCG
SAMPLE DATE	HOURL YMMDD LMT	SAMPLE NUMBER	UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	PHENOLS UNF-REAC UG/L PHENOL	PO4 FIL.REAC MG/L AS P	PHOSPHOR UNF.TOT. MG/L AS P	ALDRIN NG/L	BHC ALPHA NG/L	BHC BETA NG/L	BHC GAMMA NG/L
870629	2030	44208		0.003<	8.27		0.0010<T	0.023				
870706	0945	26310	0.420	0.003<	8.07		0.0020<T	0.055				
870709	1100	44209		0.003<	8.20		0.0005<W	0.027				
870715	1100	44210		0.003<	8.14		0.0010<T	0.015				
870721	0930	44211		0.003<	8.11		0.0020<T	0.023				
870729	1900	44212		0.003<	8.27		0.0005<W	0.032				
870804	1305	26315	0.630	0.003<	8.06		0.0010<T	0.045				
870805	1300	44213		0.005	8.13		0.0015<T	0.051				
870812	1300	44214		0.003<	8.14		0.0015<T	0.037				
870820	0930	44215		0.003<	8.24		0.0035	0.082				
870828	1030	44216		0.003<	8.04		0.0015<T	0.028				
870901	1230	44217		0.003<	8.17		0.0010<T	0.026				
870909	0850	26320	0.670	0.003<	8.01		0.0740	0.129				
	1100	44218		0.003<	8.13		0.0005<T	0.024				
870917	1230	44219		0.003<	8.21		0.0005<W	0.027				
871005	1315	26325	0.560	0.003<	8.10		0.0010<T	0.020				
871008	1200	44220		0.003<	8.19		0.0005<T	0.033				
871015	1100	44221		0.003<	8.16		0.0005<T	0.021				
871023	1100	44222		0.003<	8.19		0.0005<T	0.020				
871027	0930	44223		0.003<	7.93		0.0005<W	0.024				
871102	1315	26330	0.690		7.99		0.0120	0.067				
871106	1300	44224		0.003<	8.14		0.0015<T	0.023				
871112	1300	44225		0.003<	8.10		0.0010<T	0.021				
871124	1000	44227		0.003<	8.19		0.0020<T	0.015				
871209	1315	25335	0.430	0.003<	8.11	3.4	0.0005<T	0.010				
	1530	44227		0.003	8.21		0.0015<T	0.010				
MAXIMUM			0.690	0.023	8.33	3.4	0.0740	0.129	1	2	1	1
ARITH MEAN			0.517	0.010	8.15	3.4	0.0043<A	0.031	1<A	2<A	1<A	1<A
GEOM MEAN			0.496		8.15		0.0015<A	0.027				
MINIMUM			0.260	0.003	7.93	3.4	0.0005	0.010	1	2	1	1
STD DEV (GEOM *)			0.148		0.09		0.0123<A	0.022				
# SAMP IN STATISTICS			8	4	38	1	37	38	1	1	1	1
% SAMP (EXCLUDED)				89								

( C O N T D )

B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: NEW HIGHWAY 2 BRIDGE TRENTON  
 STATION TYPE: RIVER C FLOW GAUGE FED 02HK004

STATION ID: 17-0021-068-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 06 20.34 LONG: 077 34 43.95 U T M: 18 0293600.0 4886625.0 4 REGION: 04 DISTANCE: 0.805

*=INTERIM TEST-NAME:		P1CHLA	P1CHLG	P1DIEL	P1DMDT	P1ENDR	P1ENDS	P1END1	P1END2	P1HEPE	P1HEPT	
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	CHLRDANE ALPHA NG/L	CHLRDANE GAMMA NG/L	DIELDRIN NG/L	DMDT MTHXYLLR NG/L	ENDRIN NG/L	ENDOSULP SULPHATE NG/L	ENDOSULP I NG/L	ENDOSULP II NG/L	HEPTA CHLOR EPOXIDE NG/L	HEPACHOR NG/L
870407	1230	44424	2<W	2<W	2<W	5<W	4<W	4<W	2<W	4<W	1<W	1<W
		MAXIMUM	2	2	2	5	4	4	2	4	1	1
		ARITH MEAN	2<A	2<A	2<A	5<A	4<A	4<A	2<A	4<A	1<A	1<A
		GEOM MEAN										
		MINIMUM	2	2	2	5	4	4	2	4	1	1
		STD DEV (GEOM *)										
		# SAMP IN STATISTICS	1	1	1	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		P1MIRX	P1OCHL	P1OPDT	P1PCBT	P1PPDD	P1PPDE	P1PPDT	P1TOX	RSF	RSP	
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	MIREX NG/L	OXCHLANE NG/L	OP-DDT NG/L	PCB TOTAL NG/L	PP-DDD NG/L	PP-DDE NG/L	PP-DDT NG/L	TOXAPHEN NG/L	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L
870407	1230	44424	5<W	2<W	5<W	20<W	5<W	1<W	5<W	NO DATA NP		17.2
870430	1200	44460										9.2
870504	1000	26300									168.0CRO	5.3
870506	1300	44200										7.7
870513	0930	44201										5.0
870520	1100	44202										8.2
870527	0930	44203										4.1
870601	0930	26305									169.0CRO	3.7
870603	0800	44204										2.7
870609	1100	44205										4.5
870617	1100	44206										3.4
870624	0900	44207										3.1
870629	2030	44208										5.2
870706	0945	26310									155.0CRO	4.5
870709	1100	44209										5.1
870715	1100	44210										4.0
870721	0930	44211										3.3
870729	1900	44212										4.6
870804	1305	26315									159.0CRO	5.3
870805	1300	44213										4.4
870812	1300	44214										4.8
870820	0930	44215										5.2
870828	1030	44216										4.7
870901	1230	44217										6.9
870909	0850	26320									155.0CRO	6.7

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

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B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: NEW HIGHWAY 2 BRIDGE TRENTON  
 STATION TYPE: RIVER C FLOW GAUGE FED 02HK004

STATION ID: 17-0021-068-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 06 20.34			LONG: 077 34 43.95			U T M: 18 0293600.0 4886625.0 4				REGION: 04		DISTANCE: 0.805
*=INTERIM		TEST-NAME:	P1MIRX	P1OCHL	P1OPDT	P1PCBT	P1PPDD	P1PPDE	P1PPDT	P1TOX	RSF	RSP
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	MIREX NG/L	OXCHLANE NG/L	OP-DDT NG/L	PCB TOTAL NG/L	PP-DDD NG/L	PP-DDE NG/L	PP-DDT NG/L	TOXAPHEN NG/L	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L
870909	1100	44218										4.9
870917	1230	44219										0.9<T
871005	1315	26325									170.0CRO	6.5
871008	1200	44220										4.1
871015	1100	44221										3.7
871023	1100	44222										3.6
871027	0930	44223										6.6
871102	1315	26330									170.0CRO	7.1
871106	1300	44224										39.9
871112	1300	44225										5.5
871124	1000	44227										3.2
871209	1315	25335									180.0CRO	3.5
	1530	44227										6.4
		MAXIMUM	5	2	5	20	5	1	5		180.0	39.9
		ARITH MEAN	5<A	2<A	5<A	20<A	5<A	1<A	5<A		165.7	6.2<A
		GEOM MEAN									165.5	5.1<A
		MINIMUM	5	2	5	20	5	1	5		155.0	0.9
		STD DEV (GEOM *)									8.7	6.2<A
		# SAMP IN STATISTICS	1	1	1	1	1	1	1		8	38
		% SAMP (EXCLUDED)										
*=INTERIM		TEST-NAME:	TURB	X1HCB	X2HCB	X2HCE	X2OCST	X2PNCB	X2T236	X2T245	X2T26A	X2123
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	TURB'ITY FTU	HXCHLORO BUTADINE NG/L	HCB NG/L	HCE NG/L	OCTCHLOR STYRENE NG/L	PENTA CHLORO BENZENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO BENZENE NG/L
870407	1230	44424		1<T	1<W	1<T	1<W	1<W	5<W	5<W	5<W	19<T
870504	1000	26300	3.40									
870601	0930	26305	1.69									
870706	0945	26310	2.00									
870804	1305	26315	4.90									
870909	0850	26320	5.30									
871005	1315	26325	6.10									
871102	1315	26330	7.20									
871209	1315	25335	1.05									

( C O N T D )

B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: NEW HIGHWAY 2 BRIDGE TRENTON  
 STATION TYPE: RIVER C FLOW GAUGE FED 02HK004

STATION ID: 17-0021-068-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 06 20.34 LONG: 077 34 43.95

U T M: 18 0293600.0 4886625.0 4

REGION: 04

DISTANCE: 0.805

*=INTERIM TEST-NAME:		TURB	X1HCB	X2HCB	X2HCE	X20CST	X2PNCB	X2T236	X2T245	X2T26A	X2123	
			1,2,3,4	1,2,3,5	1,2,4	1,2,4,5	1,3,5	1,2,3,6	2,4,5	2,6,A	1,2,3	
SAMPLE DATE	YMMDD LMT	HOUR	SAMPLE NUMBER	TURB'ITY FTU	HXCHLORO BUTADINE NG/L	HC B NG/L	HCE NG/L	OCTCHLOR STYRENE NG/L	CHLORO BENZENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO TOLUENE NG/L	TRCHLORO BENZENE NG/L

MAXIMUM		7.20	1	1	1	1	1	5	5	5	19
ARITH MEAN		3.95	1<A	1<A	1<A	1<A	1<A	5<A	5<A	5<A	19<A
GEOM MEAN		3.29									
MINIMUM		1.05	1	1	1	1	1	5	5	5	19
STD DEV (GEOM *)		2.25									
# SAMP IN STATISTICS		8	1	1	1	1	1	1	1	1	1
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		X21234	X21235	X2124	X21245	X2135	ZNUT
		1,2,3,4	1,2,3,5	1,2,4	1,2,4,5	1,3,5	ZINC
SAMPLE DATE	YMMDD LMT	TECHLORO BENZENE NG/L	TECHLORO BENZENE NG/L	TRCHLORO BENZENE NG/L	TECHLORO BENZENE NG/L	TRCHLORO BENZENE NG/L	UNF.TOT. MG/L AS ZN
870407	1230	44424	1<W	1<W	5<W	1<W	5<W
870504	1000	26300					0.003
870601	0930	26305					0.022
870706	0945	26310					0.007
870804	1305	26315					0.010
870909	0850	26320					0.006
871005	1315	26325					0.011
871209	1315	25335					0.008

MAXIMUM		1	1	5	1	5	0.022
ARITH MEAN		1<A	1<A	5<A	1<A	5<A	0.010
GEOM MEAN							0.008
MINIMUM		1	1	5	1	5	0.003
STD DEV (GEOM *)							0.006
# SAMP IN STATISTICS		1	1	1	1	1	7
% SAMP (EXCLUDED)							

B.O.W./ SITE: CROME RIVER  
 SAMPLE POINT: AT HWY.NO.28 PAUDASH LAKE OUTLET 76 1  
 STATION TYPE: RIVER

STATION ID: 17-0021-089-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 58 53.79		LONG: 077 58 34.22		U T M: 18 0265350.0 4985000.0 4		REGION: 04		DISTANCE: 172.034				
*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ACDT	ASUT	CLIDUR	COLTR	COND25	CUUT	DOC CARBON DISOLVED	FEUT IRON UNF.TOT.	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ACIDITY TOTAL MG/L AS CAC03	ARSENIC UNF.TOT. MG/L AS AS	CHLORIDE UNF.REAC MG/L AS CL-	COLOUR TRUE TCU	CONDUCT. 25C UMHO/CM AT 25 C	COPPER UNF.TOT. MG/L AS CU	ORGANIC MG/L AS C	MG/L AS FE
870319	1135	15691	0.30									
870429	1130	15708	0.30	0101								
870617	1140	15729	0.30									
870824	1155	15772	0.30	0101								
870917	1135	15789	0.30	0101								
871013		39		0103	1.15	0.001<	6.30	12.0	113.1	0.001<	4.5	0.091
MAXIMUM		0.30			1.15		6.30	12.0	113.1		4.5	0.091
ARITH MEAN		0.30			1.15		6.30	12.0	113.1		4.5	0.091
GEOM MEAN												
MINIMUM		0.30			1.15		6.30	12.0	113.1		4.5	0.091
STD DEV (GEOM *)												
# SAMP IN STATISTICS		5			1		1	1	1		1	1
% SAMP (EXCLUDED)												
*=INTERIM TEST-NAME:		FWSTRC	GACF	GACP	GBCF	GBCP	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNTKUR K'DAHL N TOTAL	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.	GROSS ALPHA CT FILTERED BQ/L	GROSS ALPHA CT UNDISSOL BQ/L	GROSS BETA CT FILTERED BQ/L	GROSS BETA CT UNDISSOL BQ/L	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N
870319	1135	15691	8	0.13	0.13	0.09	0.04<					
870429	1130	15708		0.07	0.04<	0.06	0.04<					
870617	1140	15729	8	0.08	0.04<	0.05	0.04<					
870824	1155	15772	8	0.04<	0.04<	0.06	0.04<					
870917	1135	15789	8	0.04	0.04<	0.06	0.04<					
871013		39						0.001<	0.020	0.020<T	0.0010<W	0.310
MAXIMUM				0.13	0.13	0.09			0.020	0.020	0.0010	0.310
ARITH MEAN				0.08	0.13	0.06			0.020	0.020<A	0.0010<A	0.310
GEOM MEAN						0.06						
MINIMUM				0.04	0.13	0.05			0.020	0.020	0.0010	0.310
STD DEV (GEOM *)						0.02						
# SAMP IN STATISTICS				4	1	5			1	1	1	1
% SAMP (EXCLUDED)				20	80							

( C O N T D )



STORET CODE: 02  
004  
1220

**DISTANCE: 172.034**

[illegible]

B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: AT GLEN ROSS BRIDGE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HK004

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STATION ID: 17-0021-118-02

STORET CODE: 02  
 004  
 1220

LAT: 44 15 50.10 LONG: 077 35 49.43

U T M: 18 0292700.0 4904250.0 4

REGION: 04

DISTANCE: 23.013

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT
						BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER
SAMPLE DATE	HOUR	SAMPLE DEPTH	WATER DEPTH	PROJECT SUB-PROJ	ALK TOTAL	TOT.DEM.	UNF.TOT.	UNF.REAC	UMHO/CM	UNF.TOT.	UNF.TOT.
YYMMDD	LMT	NUMBER	M	CODE	MG/L AS CAC03	MG/L AS O	MG/L AS CD	MG/L AS CL-	AT 25 C	MG/L AS CR	MG/L AS CU
870504		26304	0.30	0101	110.0	1.1	0.0003<	6.30	245.0	0.001<	0.001
870601	1130	26309	0.30	0101	111.2	0.9<T	0.0003<	6.90	246.0	0.001<	0.001
870706	1210	26314	0.30	0101	98.4	2.4	0.0003<	7.50	227.0	0.001	0.001<W
870804	1530	26319	0.30	0101	96.4	2.8	0.0003<	8.10	224.0	0.001<	0.001
870909	1020	26324	0.30	0101	94.6	1.8	0.0003<	8.95	226.0	0.001	0.001<
871005	1540	26329	0.30	0101	100.3	1.4	0.0003<	9.40	239.0	0.002	0.001<
871102	1445	26334	0.30	0101	101.2	1.7		8.70	244.0		
871209	1515	26339	0.30	0101	113.3	0.8<T	0.0003<	8.00	264.0	0.069	0.001<
		MAXIMUM	0.30		113.3	2.8		9.40	264.0	0.069	0.001
		ARITH MEAN	0.30		103.2	1.6<A		7.98	239.4	0.018	0.001<A
		GEOM MEAN			103.0	1.5<A		7.92	239.0		
		MINIMUM	0.30		94.6	0.8		6.30	224.0	0.001	0.001
		STD DEV (GEOM *)			7.2	0.7<A		1.05	13.5		
		# SAMP IN STATISTICS	8	1	8	8		8	8	4	4
		% SAMP (EXCLUDED)								42	42
*=INTERIM TEST-NAME:		DO	FEUT	FWFLOW	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
								NH3-N			K'DAHL N
SAMPLE DATE	HOUR	SAMPLE OXYGEN	IRON	STREAM FLOW	STREAM	WATER	POTASSIM	TOTAL	NO2+NO3N	NO2-N	TOTAL
YYMMDD	LMT	MG/L AS O	UNF.TOT. MG/L AS FE	M3 /S	COND.	TEMP DEG.C	UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N
870504		26304	0.092	98.000	8 9		1.120	0.026	0.065<T	0.0035<T	0.500
870601	1130	26309	0.081	83.000	8	23.0	1.020	0.100	0.040<T	0.0080	0.490
870706	1210	26314	0.060	43.900	8	24.5	0.880	0.044	0.020<T	0.0015<T	0.480
870804	1530	26319	0.120	14.000	8	10.0	1.000	0.110	0.030<T	0.0035<T	0.730
870909	1020	26324	0.080	24.700	8	20.0	1.180	0.040	0.020<W	0.0040<T	0.670
871005	1540	26329	0.120	30.200	8	14.0	1.490	0.048	0.035<T	0.0030<T	0.620
871102	1445	26334		64.100	8	8.0	1.480	0.064	0.105	0.0070	0.660
871209	1515	26339	0.050	106.000	8	1.0	1.220	0.036	0.135	0.0060	0.430
		MAXIMUM	16.00	0.120	106.000	24.5	1.490	0.110	0.135	0.0080	0.730
		ARITH MEAN	12.60	0.086	57.987	14.4	1.174	0.058	0.056<A	0.0046<A	0.572
		GEOM MEAN	12.47	0.082	47.366	10.3	1.156	0.052	0.045<A	0.0041<A	0.563
		MINIMUM	11.00	0.050	14.000	1.0	0.880	0.026	0.020	0.0015	0.430
		STD DEV (GEOM *)	2.07	0.027	35.016	8.6	0.220	0.031	0.043<A	0.0022<A	0.110
		# SAMP IN STATISTICS	5	7	8	7	8	8	8	8	8
		% SAMP (EXCLUDED)									

( C O N T D )

B.O.W./ SITE: TRENT RIVER  
 SAMPLE POINT: AT GLEN ROSS BRIDGE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HK004

STATION ID: 17-0021-118-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: TRENT RIVER

STORET CODE: 02  
 004  
 1220

LAT: 44 15 50.10 LONG: 077 35 49.43

U T M: 18 0292700.0 4904250.0 4

REGION: 04

DISTANCE: 23.013

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT	
		LEAD		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR	MG/L		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN	
870504		26304	0.010	8.35	0.2<T	0.026	2.90	0.003
870601	1130	26309	0.003<	8.20	0.4<T	0.025	2.80	0.017
870706	1210	26314	0.003<	8.32	0.2<W	0.038	3.10	0.005
870804	1530	26319	0.003<	8.42	0.2<W	0.049	6.30	0.025
870909	1020	26324	0.003<	8.32		0.112	5.00	0.006
871005	1540	26329	0.003<	8.29	0.2<W	0.024	4.30	0.008
871102	1445	26334		8.18		0.041	3.10	
871209	1515	26339	0.003<	8.15		0.030	0.66	0.003
MAXIMUM		0.010	8.42	0.4	0.112	6.30	0.025	
ARITH MEAN		0.010	8.28	0.2<A	0.043	3.52	0.010	
GEOM MEAN			8.28	0.2<A	0.038	3.02	0.007	
MINIMUM		0.010	8.15	0.2	0.024	0.66	0.003	
STD DEV (GEOM *)			0.09	0.1<A	0.029	1.69	0.008	
# SAMP IN STATISTICS		1	8	5	8	8	7	
% SAMP (EXCLUDED)		85						

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STATION ID: 17-0026-001-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE ONTARIO  
TERM STREAM: MOIRA RIVER

STORET CODE: 02  
004  
1090

**DISTANCE: 1.127**

[illegible]

*=INTERIM		TEST-NAME:	CRUT	CUUT	DO	FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR
SAMPLE DATE	HOUR		CHROMIUM UNF.TOT. MG/L	COPPER UNF.TOT. MG/L	DISOLVED OXYGEN MG/L	IRON UNF.TOT. MG/L		WATER TEMP	POTASSIM UNF.REAC MG/L	NH3-N TOTAL FIL.REAC MG/L	NO2+NO3N FIL.REAC MG/L	NO2-N FIL.REAC MG/L
YYMMDD	LMT	SAMPLE NUMBER	AS CR	AS CU	AS O	AS FE	STREAM COND.	DEG.C	AS K	AS N	AS N	AS N
870105	1320	27012	0.001<	0.002	13.00	0.350	8	0.5	1.290	0.002<W	0.020<W	0.0010<W
870318	1010	15675					8					
870504	1350	27038					8	14.0		0.072		
870514	1250	15721					8					
870629		15742					8					
870706	1411	27051	0.001<	0.002	6.00	0.056	8	25.0	0.950	0.028	0.040<T	0.0110
870914	1425	27077	0.002	0.003	6.10	0.120	8	22.0	1.230	0.026	0.045<T	0.0045<T
870915	1305	15785					8					
871005	1340	27090	0.002	0.001	7.20	0.067	8	13.5	1.470	0.034	0.030<T	0.0010<T

( C O N T D )

B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: FOOTBRIDGE NORTH OF HIGHWAY 2 BELLEVILLE  
 STATION TYPE: RIVER

STATION ID: 17-0026-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 09 57.93 LONG: 077 23 13.28 U T M: 18 0309150.0 4892875.0 4 REGION: 04 DISTANCE: 1.127

*=INTERIM TEST-NAME:		CRUT	CUUT	DO	FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR
SAMPLE DATE	HOUR	CHROMIUM UNF.TOT. MG/L	COPPER UNF.TOT. MG/L	DISOLVED OXYGEN MG/L	IRON UNF.TOT. MG/L	STREAM COND.	WATER TEMP DEG.C	POTASSIM UNF.REAC MG/L	FIL.REAC MG/L	NO2+NO3N FIL.REAC MG/L	NO2-N FIL.REAC MG/L
YYMMDD	LMT	AS CR	AS CU	AS O	AS FE			AS K	AS N	AS N	AS N
871102	1320	27103	0.002	0.002	0.650			1.520	0.002<W	0.020<W	0.0070
871113		15813				8					
871207	1330	27116	0.001	0.002	10.90	8		1.190	0.004<T	0.115	0.0030<T
MAXIMUM		0.002	0.003	13.00	0.650		25.0	1.520	0.072	0.115	0.0110
ARITH MEAN		0.002	0.002	8.64	0.257		15.0	1.275	0.024<A	0.045<A	0.0046<A
GEOM MEAN			0.002	8.21	0.177		8.8	1.260	0.012<A	0.037<A	0.0032<A
MINIMUM		0.001	0.001	6.00	0.056		0.5	0.950	0.002	0.020	0.0010
STD DEV (GEOM *)			0.001	3.15	0.228		9.5	0.206	0.025<A	0.036<A	0.0039<A
# SAMP IN STATISTICS		4	6	5	6		5	6	7	6	6
% SAMP (EXCLUDED)		33									

*=INTERIM TEST-NAME:		NNTKUR K'DAHL N TOTAL	PBUT	PH	PHNOL	PPUT	RSP	TURB	ZNUT
SAMPLE DATE	HOUR	UNF.REAC MG/L	LEAD UNF.TOT. MG/L	PH	PHENOLS UNF-REAC UG/L	PHOSPHOR UNF.TOT. MG/L	RESIDUE PARTIC. MG/L	TURB'ITY FTU	ZINC UNF.TOT. MG/L
YYMMDD	LMT	AS N	AS PB		PHENOL	AS P			AS ZN
870105	1320	27012	0.460	0.003	8.13	0.2<W	0.038	3.3	2.40
870504	1350	27038				0.032		1.92	0.015
870706	1411	27051	0.390	0.003<	8.43	0.2<T	0.038	1.6<T	1.26
870914	1425	27077	0.440	0.003<	8.63	0.2<W	0.021	3.3	3.20
871005	1340	27090	0.440	0.003<	8.47	0.2<T	0.020	2.4<T	0.60
871102	1320	27103	0.490	0.003<	8.82	0.2<W	0.102	27.1	25.00
871207	1330	27116	0.500	0.003<	8.12	0.4<T	0.018	2.0<T	1.48
MAXIMUM		0.500	0.003	8.82	0.4	0.102	27.1	25.00	0.015
ARITH MEAN		0.453	0.003	8.43	0.2<A	0.038	6.6<A	5.12	0.006
GEOM MEAN		0.452		8.43	0.2<A	0.032	3.6<A	2.36	0.005
MINIMUM		0.390	0.003	8.12	0.2	0.018	1.6	0.60	0.002
STD DEV (GEOM *)		0.040		0.28	0.1<A	0.029	10.1<A	8.80	0.005
# SAMP IN STATISTICS		6	1	6	6	7	6	7	6
% SAMP (EXCLUDED)			83						

## 1987 WATER QUALITY DATA REGION 4

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B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: BRIDGE IN CANNIFTON  
 STATION TYPE: RIVER FLOW GAUGE FED 02HL001

STATION ID: 17-0026-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 12 21.66		LONG: 077 23 37.11		U T M: 18 0308750.0 4897325.0 4		REGION: 04		DISTANCE: 6.276				
*=INTERIM	TEST-NAME:	FWSADP	FWDPTS	FGPROJ	ALKT	ASUT	BOD5	CDUT	CLIDUR	COND25	CRUT	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	WATER DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ARSENIC UNF.TOT. MG/L AS AS	BOD 5 DAY TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR
870105	1305	27011	0.30		0101	118.6	0.012	NO DATA LC	0.0003<	6.60	263.0	0.001
870122	1345	15665	0.30		0101		0.004					
870224	1310	15674	0.30		0101		0.004					
870318	1329	15687	0.30		0101		0.002					
870423	1230	15703	0.30		0101		0.004					
870504	1320	27037	0.30		0101	111.5	0.003	0.9<T	0.0003<	4.85	235.0	0.001
870514	1230	15720	0.30		0101		0.002					
870629		15741	0.30		0101		0.007					
870706	1344	27050	0.30		0101	109.3	0.011	0.2<T	0.0003<	5.35	229.0	0.001<
870709	1254	15754	0.30		0101		0.007					
870914	1334	27076	0.30	0.03	0101	106.1	0.010	0.1<W	0.0003<	6.50	232.0	0.002
870915	1245	15784	0.30		0101		0.007					
871005	1320	27089	0.30	0.30	0101	114.6	0.010	0.1<W	0.0003<	6.05	247.0	0.001
871102	1320	27102	0.30		0101	103.4	0.010	0.8<T	0.0003<	5.70	233.0	0.002
871113	1250	15812	0.30		0101		0.007					
871207	1311	27115	0.30	0.30	0101	77.8	0.007	0.4<T	0.0003<	5.10	195.0	0.001
871214	1245	15825	0.30		0101		0.008					
MAXIMUM		0.30	0.30			118.6	0.012	0.9		6.60	263.0	0.002
ARITH MEAN		0.30	0.21			105.9	0.007	0.4<A		5.74	233.4	0.001
GEOM MEAN						105.1	0.006	0.3<A		5.70	232.6	
MINIMUM		0.30	0.03			77.8	0.002	0.1		4.85	195.0	0.001
STD DEV (GEOM *)						13.4	0.003	0.4<A		0.68	20.7	
# SAMP IN STATISTICS		17	3			7	17	6		7	7	6
% SAMP (EXCLUDED)												14

( C O N T D )

B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: BRIDGE IN CANNIFTON  
 STATION TYPE: RIVER FLOW GAUGE FED 02HL001

STATION ID: 17-0026-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 12 21.66 LONG: 077 23 37.11

U T M: 18 0308750.0 4897325.0 4

REGION: 04

DISTANCE: 6.276

*INTERIM		TEST-NAME:	CUUT	DO	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR
SAMPLE	DATE	HOUR	SAMPLE	COPPER	DISOLVED	IRON	STREAM		MERCURY	POTASSIM	NH3-N	NO2+NO3N
YYMMDD	LMT	NUMBER	UNF.TOT.	OXYGEN	UNF.TOT.	FLOW	COND.	WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC
			MG/L	MG/L	MG/L	M3		TEMP	UG/L	MG/L	MG/L	MG/L
			AS CU	AS O	AS FE	/S		DEG.C	AS HG	AS K	AS N	AS N
870105	1305	27011	0.003	11.00	0.390	34.900	8	0.5	NO DATA SS	1.320	0.002<W	0.020<W
870122	1345	15665				22.300	8					
870224	1310	15674				15.700	8					
870318	1329	15687				40.600	8					
870423	1230	15703				48.500						
870504	1320	27037	0.003		0.150	35.700	8	11.0	NO DATA SS	1.130	0.028	0.090<T
870514	1230	15720				15.300	8					
870629		15741				6.220	8					
870706	1344	27050	0.002	4.40	0.088	4.940	8	26.0	NO DATA SS	0.960		0.020<W
870709	1254	15754				4.350						
870914	1334	27076	0.002	7.10	0.045	2.040	8	22.0	NO DATA SS	1.100	0.022	0.025<T
870915	1245	15784				1.850	8					
871005	1320	27089	0.001	7.80	0.046	2.440	8	15.0	NO DATA SS	1.300	0.010	0.025<T
871102	1320	27102	0.001	12.00	0.074	7.340	8	9.0	NO DATA SS	1.330	0.002<W	0.020<W
871113	1250	15812				15.400	8					
871207	1311	27115	0.003	10.50	0.160	58.400	8		NO DATA SS	1.170	0.006<T	0.100
871214	1245	15825				56.600						
MAXIMUM			0.003	12.00	0.390	58.400		26.0		1.330	0.028	0.100
ARITH MEAN			0.002	8.80	0.136	21.916		13.9		1.187	0.012<A	0.043<A
GEOM MEAN			0.002	8.35	0.103	12.729		8.7		1.180	0.007<A	0.033<A
MINIMUM			0.001	4.40	0.045	1.850		0.5		0.960	0.002	0.020
STD DEV (GEOM *)			0.001	2.87	0.121	19.853		9.2		0.138	0.011<A	0.036<A
# SAMP IN STATISTICS			7	6	7	17		6		7	6	7
% SAMP (EXCLUDED)												

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

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B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: BRIDGE IN CANNIFTON  
 STATION TYPE: RIVER FLOW GAUGE FED 02HL001

STATION ID: 17-0026-002-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 12 21.66 LONG: 077 23 37.11 U T M: 18 0308750.0 4897325.0 4 REGION: 04 DISTANCE: 6.276

*=INTERIM TEST-NAME:		NNO2FR	NNTKUR	PBUT	PH	PHNOL	PP04FR	PPUT	RSF	RSP	TURB	
		NO2-N	K'DAHL N	LEAD		PHENOLS	PO4	PHOSPHOR				
SAMPLE		FIL.REAC	UNF.REAC	UNF.TOT.		UNF-REAC	FIL.REAC	UNF.TOT.	RESIDUE	RESIDUE	TURB'ITY	
DATE	HOUR	MG/L	MG/L	MG/L	PH	UG/L	MG/L	MG/L	FILTERED	PARTIC.	FTU	
YYMMDD	LMT	AS N	AS N	AS PB		PHENOL	AS P	AS P	MG/L	MG/L		
870105	1305	27011	0.0010<W	0.480	0.005	8.00		0.0070	0.037	171.0CRO	2.1<T	3.20
870504	1320	27037	0.0065	0.330	0.003<	8.54		0.0805	0.048	153.0CRO	3.0	1.43
870706	1344	27050	0.0040<T	0.380	0.003<	8.52		0.0100	0.027	149.0CRO	2.7	1.77
870914	1334	27076	0.0030<T	0.400	0.003<	8.56	0.8<T	0.0375	0.050	150.8CRO	1.4<T	0.84
871005	1320	27089	0.0010<T	0.450	0.003<	8.64	0.2<T	0.0005<T	0.035	161.0CRO	1.9<T	0.38
871102	1320	27102	0.0010<T	0.460	0.003<	8.35	1.0	0.0070	0.035	151.0CRO	2.7	0.96
871207	1311	27115	0.0030<T	0.510	0.003<	8.10	0.2<T	0.0015<T	0.020	127.0CRO	5.3	1.93
MAXIMUM		0.0065	0.510	0.005	8.64	1.0	0.0805	0.050	171.0	5.3	3.20	
ARITH MEAN		0.0028<A	0.430	0.005	8.39	0.5<A	0.0206<A	0.036	151.8	2.7<A	1.50	
GEOM MEAN		0.0022<A	0.426		8.38	0.4<A	0.0073<A	0.035	151.3	2.5<A	1.25	
MINIMUM		0.0010	0.330	0.005	8.00	0.2	0.0005	0.020	127.0	1.4	0.38	
STD DEV (GEOM *)		0.0020<A	0.063		0.25	0.4<A	0.0292<A	0.011	13.4	1.3<A	0.93	
# SAMP IN STATISTICS		7	7	1	7	4	7	7	7	7	7	
% SAMP (EXCLUDED)				85								

\*=INTERIM TEST-NAME: ZNUT  
 ZINC  
 UNF.TOT.  
 MG/L  
 AS ZN

SAMPLE	DATE	HOUR	SAMPLE	UNF.TOT.
YYMMDD	LMT	NUMBER	AS ZN	
870105	1305	27011	0.018	
870504	1320	27037	0.020<	
870706	1344	27050	0.027	
870914	1334	27076	0.004	
871005	1320	27089	0.004	
871102	1320	27102	0.002	
871207	1311	27115	0.005	

MAXIMUM 0.027  
 ARITH MEAN 0.010  
 GEOM MEAN  
 MINIMUM 0.002  
 STD DEV (GEOM \*)  
 # SAMP IN STATISTICS 6  
 % SAMP (EXCLUDED) 14



B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: AT STOCO LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 17-0026-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 27 30.51 LONG: 077 17 55.21

U T M: 18 0317125.0 4925150.0 4

REGION: 04

DISTANCE: 43.773

*INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ASUT	DO	FWSTRC	FWTEMP
SAMPLE		SAMPLE	WATER	PROJECT	ARSENIC	DISOLVED		WATER
DATE	HOUR	DEPTH	DEPTH	SUB-PROJ	UNF.TOT.	OXYGEN	STREAM	TEMP
YYMMDD	LMT	M	M	CODE	MG/L	MG/L	COND.	DEG.C
					AS AS	AS O		
870105	0840	27000	0.30	0101	0.017	13.00	8	
870122	1300	15664	0.30	0101	0.003		4	
870318	1303	15686	0.30	0101	0.004		8	
870423	1205	15702	0.30	0101	0.004			
870504	0915	27026	0.30	0101	0.003		8	11.0
870514	1205	15719	0.30	0101	0.002		8	
870629	1237	15740	0.30	0101	0.007		8	
870706	0900	27039	0.30	0101	0.008	5.20	5	24.0
870709	1225	15753	0.30	0101	0.007			
870914	0825	27065	0.30	0101	0.021	4.20	8	20.0
870915	1213	15783	0.30	0101	0.025		8	
871005	0838	27078	0.30	0101	0.017	8.00	8	13.0
871102	0845	27091	0.30	0101	0.011	9.00	8	7.0
871113	1225	15811	0.30	0101	0.010		8	
871207	0834	27104	0.30	0101	0.012	10.50	8	
871214	1215	15824	0.30	0101	0.010			
MAXIMUM		0.30	0.30		0.025	13.00		24.0
ARITH MEAN		0.30	0.21		0.010	8.32		15.0
GEOM MEAN					0.008	7.74		13.7
MINIMUM		0.30	0.03		0.002	4.20		7.0
STD DEV (GEOM *)					0.007	3.28		6.9
# SAMP IN STATISTICS		16	3		16	6		5
% SAMP (EXCLUDED)								

## 1987 WATER QUALITY DATA REGION 4

85

B.O.W./ SITE: MOIRA RIVER

STATION ID: 17-0026-004-02

SAMPLE POINT: STOCO BRIDGE HUNGERFORD TOWNSHIP

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: LAKE ONTARIO

004

TERM STREAM: MOIRA RIVER

1090

LAT: 44 27 32.95 LONG: 077 16 33.85

U T M: 18 0318925.0 4925175.0 4

REGION: 04

DISTANCE: 47.796

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ASUT	DO	FWSTRC	FWTEMP
SAMPLE		SAMPLE	WATER	PROJECT	ARSENIC	DISOLVED		
DATE	HR	DEPTH	DEPTH	SUB-PROJ	UNF.TOT.	OXYGEN	STREAM	WATER
YYMMDD	LMT	M	M	CODE	MG/L	MG/L	COND.	TEMP
					AS AS	AS O		DEG.C
870105	0850	27001	0.30	0101	0.016	10.00	8	
870122	1255	15663	0.30	0101	0.005		4	
870318	1257	15685	0.30	0101	0.007		8	
870423	1200	15701	0.30	0101	0.003			
870504	0920	27027	0.30	0101	0.003		8	11.0
870514	1200	15718	0.30	0101	0.002		8	
870629	1232	15739	0.30	0101	0.006		8	
870706	0918	27040	0.30	0101	0.007	6.20	5	23.0
870709	1219	15752	0.30	0101	0.006			
870914	0835	27066	0.30	0101	0.021	4.10	8	19.0
870915	1208	15782	0.30	0101	0.024		8	
871005	0855	27079	0.30	0101	0.017	7.00	8	11.5
871102	0900	27092	0.30	0101	0.012	9.00	8	7.0
871113	1215	15810	0.30	0101	0.009		8	
871207	0849	27105	0.30	0101	0.010	9.90	8	
871214	1208	15823	0.30	0101	0.009			
		MAXIMUM	0.30	0.30	0.024	10.00		23.0
		ARITH MEAN	0.30	0.21	0.010	7.70		14.3
		GEOM MEAN			0.008	7.36		13.1
		MINIMUM	0.30	0.03	0.002	4.10		7.0
		STD DEV (GEOM *)			0.007	2.35		6.5
		# SAMP IN STATISTICS	16	3	16	6		5
		% SAMP (EXCLUDED)						

B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: JAMESON STREET TWEED  
 STATION TYPE: RIVER FLOW GAUGE FED 02HL101

STATION ID: 17-0026-006-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 28 48.83 LONG: 077 18 48.76

U T M: 18 0316010.0 4927600.0 4

REGION: 04

DISTANCE: 50.210

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ASUT	DO	FWSTRC	FWTEMP
SAMPLE	DATE	SAMPLE	WATER	PROJECT	ARSENIC	DISOLVED		WATER
DATE	DATE	DEPTH	DEPTH	SUB-PROJ	UNF.TOT.	OXYGEN	STREAM	TEMP
YYMMDD	YYMMDD	M	M	CODE	MG/L	MG/L	COND.	DEG.C
LMT	NUMBER				AS AS	AS O		
870105 0915	27004	0.30		0101	0.019	14.00	8	
870122 1200	15661	0.30		0101	0.004		4	
870224 1215	15672	0.30		0101	0.004		8	
870318	15682	0.30		0101	0.004		8	
870423 1130	15698	0.30		0101	0.004			
870504 0940	27030	0.30		0101	0.004		8	10.0
870514 1135	15715	0.30		0101	0.004		8	
870629 1210	15736	0.30		0101	0.008		8	
870706 1004	27043	0.30		0101	0.006	6.60	8	23.0
870914 0912	27069	0.30	0.03	0101	0.003	5.90	8	20.0
870915 1145	15779	0.30		0101	0.003		8	
871005 0950	27082	0.30	0.30	0101	0.009	6.50	8	11.0
871102 0935	27095	0.30		0101	0.008	7.50	8	6.0
871113 1138	15807	0.30		0101	0.011		8	
871207 0940	27108	0.30	0.30	0101	0.016	10.70	8	
871214 1144	15820	0.30		0101	0.010			
MAXIMUM		0.30	0.30		0.019	14.00		23.0
ARITH MEAN		0.30	0.21		0.007	8.53		14.0
GEOM MEAN					0.006	8.11		12.5
MINIMUM		0.30	0.03		0.003	5.90		6.0
STD DEV (GEOM *)					0.005	3.18		7.2
# SAMP IN STATISTICS		16	3		16	6		5
% SAMP (EXCLUDED)								

B.O.W./ SITE: CLARE RIVER  
 SAMPLE POINT: 1ST.BRIDGE UPSTR.OF STOCO LAKE TWEED  
 STATION TYPE: RIVER

STATION ID: 17-0026-007-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 28 53.48 LONG: 077 16 17.75 U T M: 18 0319350.0 4927650.0 4 REGION: 04 DISTANCE: 52.785

*INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ALKT	ASUT	BOD5	CDUT	CLIDUR	COND25	CRUT
					ALK	ARSENIC	BOD				
					TOTAL	UNF.TOT.	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM
					MG/L	MG/L	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.
					AS CAC03	AS AS	MG/L	MG/L	MG/L	UMHO/CM	MG/L
							AS O	AS CD	AS CL-	AT 25 C	AS CR
SAMPLE	DATE	TIME	SAMPLE	WATER	PROJECT						
YYMMDD	HHMM	SS	DEPTH	DEPTH	SUB-PROJ						
			M	M	CODE						
870122	1230		15662	0.30	0101						
870224	1227		15673	0.30	0101		0.001<				
870318	1248		15684	0.30	0101		0.001<				
870423	1145		15700	0.30	0101		0.001<				
870504	0925		27028	0.30	0101	148.1	0.001<	0.3<T	0.0003<	3.80	294.0
870514	1150		15717	0.30	0101		0.001				
870629	1233		15738	0.30	0101		0.001				
870706	0935		27041	0.30	0101	132.6	0.002	1.0	0.0003<	5.00	266.0
870709	1210		15751	0.30	0101		0.002				
870914	0845		27067	0.30	0101	140.6	0.003	0.9<T	0.0003<	5.25	293.0
870915	1200		15781	0.30	0101		0.003				
871005	0921		27080	0.30	0101	148.1	0.002	NO DATA CR	0.0003<	5.10	304.0
871102	0910		27093	0.30	0101	123.3	0.001<	1.0<T	0.0003<	9.40	300.0
871113	1156		15809	0.30	0101		0.001<				
871207	0905		27106	0.30	0101	91.2	0.001<	0.4<T	0.0003<	5.20	221.0
871214	1157		15822	0.30	0101		0.001<				
MAXIMUM			0.30	0.30		148.1	0.003	1.0		9.40	304.0
ARITH MEAN			0.30	0.21		130.6	0.002	0.7<A		5.62	279.7
GEOM MEAN						129.0		0.6<A		5.40	278.0
MINIMUM			0.30	0.03		91.2	0.001	0.3		3.80	221.0
STD DEV (GEOM *)						21.6		0.3<A		1.93	31.7
# SAMP IN STATISTICS			16	3		6	7	5		6	4
% SAMP (EXCLUDED)							53				33

( C O N T D )

B.O.W./ SITE: CLARE RIVER  
 SAMPLE POINT: 1ST.BRIDGE UPSTR.OF STOCO LAKE TWEED  
 STATION TYPE: RIVER

STATION ID: 17-0026-007-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 28 53.48 LONG: 077 16 17.75

U T M: 18 0319350.0 4927650.0 4

REGION: 04

DISTANCE: 52.785

*=INTERIM		TEST-NAME:	CUUT	DO	FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N
			COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE		WATER TEMP DEG.C	POTASSIUM UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER				STREAM COND.						
870122	1230	15662				4						
870224	1227	15673				4						
870318	1248	15684				8						
870504	0925	27028	0.003		0.220	8	9.0	0.920	0.026	0.035<T	0.0050	0.300
870514	1150	15717				8						
870629	1233	15738				8						
870706	0935	27041	0.002	5.00	0.220	8	23.0	0.720	0.026	0.020<W	0.0060	0.460
870914	0845	27067	0.002	4.00	0.200	8	18.0	1.460	0.052	0.050<T	0.0085	0.570
870915	1200	15781				8						
871005	0921	27080	0.002	7.00	0.210	8	11.0	1.680	0.054	0.030<T	0.0015<T	0.600
871102	0910	27093	0.001	8.00	0.190	8	5.5	2.900	0.024	0.030<T	0.0045<T	0.590
871113	1156	15809				8						
871207	0905	27106	0.001<	10.40	0.120	8		1.210	0.008<T	0.020<W	0.0025<T	0.420
		MAXIMUM	0.003	10.40	0.220		23.0	2.900	0.054	0.050	0.0085	0.600
		ARITH MEAN	0.002	6.88	0.193		13.3	1.482	0.032<A	0.031<A	0.0047<A	0.490
		GEOM MEAN		6.51	0.190		11.8	1.337	0.027<A	0.029<A	0.0040<A	0.476
		MINIMUM	0.001	4.00	0.120		5.5	0.720	0.008	0.020	0.0015	0.300
		STD DEV (GEOM *)		2.52	0.038		7.1	0.777	0.018<A	0.011<A	0.0025<A	0.119
		# SAMP IN STATISTICS	5	5	6		5	6	6	6	6	6
		% SAMP (EXCLUDED)	16									

*=INTERIM		TEST-NAME:	PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSP RESIDUE PARTIC. MG/L	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER		PH					
870504	0925	27028	0.003<	8.19	0.2<T	0.035	3.1	3.80	0.015
870706	0935	27041	0.003<	8.12	0.2<T	0.024	2.4<T	3.10	0.006
870914	0845	27067	0.003<	8.08	0.2<W	0.040	3.0	2.70	0.004
871005	0921	27080	0.049	7.93	0.2<T	0.032	3.3	2.00	0.009
871102	0910	27093	0.003<	7.96	NO DATA IN R	0.049	2.6	1.86	0.006
871207	0905	27106	0.003<	8.12	0.8<T	0.038	2.6	1.82	0.003
		MAXIMUM	0.049	8.19	0.8	0.049	3.3	3.80	0.015
		ARITH MEAN	0.049	8.07	0.3<A	0.036	2.8<A	2.55	0.007
		GEOM MEAN		8.07	0.3<A	0.036	2.8<A	2.45	0.006
		MINIMUM	0.049	7.93	0.2	0.024	2.4	1.82	0.003
		STD DEV (GEOM *)		0.10	0.3<A	0.008	0.4<A	0.80	0.004
		# SAMP IN STATISTICS	1	6	5	6	6	6	6
		% SAMP (EXCLUDED)	83						

## 1987 WATER QUALITY DATA REGION 4

89

B.O.W./ SITE: SULPHIDE CREEK

SAMPLE POINT: UPSTREAM FROM STOCO LAKE HUNGERFORD TWP

STATION TYPE: RIVER

STATION ID: 17-0026-008-02

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: LAKE ONTARIO  
TERM STREAM: MOIRA RIVERSTORET CODE: 02  
004  
1090

LAT: 44 29 51.84 LONG: 077 16 57.37

U T M: 18 0318525.0 4929475.0 4

REGION: 04

DISTANCE: 52.785

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ASUT ARSENIC UNF.TOT. MG/L AS AS	DO DISOLVED OXYGEN MG/L AS O	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE DEPTH NUMBER M	WATER DEPTH M	PROJECT SUB-PROJ CODE				
870105	0900	27003	0.30	0101	NO DATA RE			
870318	1242	15683	0.30	0101	0.001<	8		
870423	1140	15699	0.30	0101	0.001<			
870504	0930	27029	0.30	0101	0.001<	8	9.5	
870514	1145	15716	0.30	0101	0.001	8		
870629	1220	15737	0.30	0101	0.001<	8		
870706	0955	27042	0.30	0101	0.001<	8	25.0	
870709	1205	15750	0.30	0101	0.001<			
870914	0902	27068	0.30	0101	0.001<	2.90	8	17.0
870915	1155	15780	0.30	0101	0.001<	8		
871005	0937	27081	0.30	0101	0.001<	6.00	8	8.0
871102	0920	27094	0.30	0101	0.001<	8.50	8	4.0
871113	1151	15808	0.30	0101	0.001<	8		
871207	0924	27107	0.30	0101	0.001<	10.20	8	
871214	1155	15821	0.30	0101	0.001<			
MAXIMUM		0.30	0.30		0.001	10.20		25.0
ARITH MEAN		0.30	0.21		0.001	6.90		12.7
GEOM MEAN						6.23		10.5
MINIMUM		0.30	0.03		0.001	2.90		4.0
STD DEV (GEOM *)						3.18		8.3
# SAMP IN STATISTICS		15	3		1	4		5
% SAMP (EXCLUDED)					92			

B.O.W./ SITE: SKOOTAMOTTA RIVER  
 SAMPLE POINT: HIGHWAY 7 NEAR ACTINOLITE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HL004

STATION ID: 17-0026-009-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 32 57.30 LONG: 077 19 42.11 U T M: 18 0315050.0 4935300.0 4 REGION: 04 DISTANCE: 60.671

*=INTERIM	TEST-NAME:	FWSADP	FWDPTS	FGPROJ	ALKT	ASUT	BOD5	CDUT	CLIDUR	COND25	CRUT
					ALK	ARSENIC	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM
SAMPLE	DATE HOUR	SAMPLE	WATER	PROJECT	TOTAL	UNF.TOT.	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.
YYMMDD	LMT	NUMBER	DEPTH	SUB-PROJ	MG/L	MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L
		M	M	CODE	AS CAC03	AS AS	AS 0	AS CD	AS CL-	AT 25 C	AS CR
870105	0930	27005	0.30	0101	25.6	0.001<	NO DATA LC	0.0003<	2.00	69.6	0.002
870122	1145	15660	0.30	0101		0.001<					
870224	1201	15671	0.30	0101		0.001<					
870318		15681	0.30	0101		0.001<					
870423	1100	15697	0.30	0101		0.001<					
870504	0950	27031	0.30	0101	24.0	0.001<	0.8<T	0.0003<	2.00	65.1	0.001<
870514	1125	15714	0.30	0101		0.001<					
870629	1155	15735	0.30	0101		0.001<					
870706	1041	27044	0.30	0101	23.5	0.001<	0.5<T	0.0003<	1.20	63.7	0.001<
870709	1131	15748	0.30	0101		0.001<					
870914	1010	27070	0.30	0101	21.4	0.001<	0.4<T	0.0003<	1.25	61.5	0.001<
870915	1134	15778	0.30	0101		0.001<					
871005	1030	27083	0.30	0101	28.5	0.001<	0.2<T	0.0003<	2.45	82.7	0.001<
871102	0950	27096	0.30	0101	26.3	0.001<	0.7<T	0.0003<	3.40	89.3	0.001<
871113	1126	15806	0.30	0101		0.001<					
871207	1004	27109	0.30	0101	18.1	0.001<	0.6<T	0.0003<	1.80	63.8	0.001<
871214	1118	15819	0.30	0101		0.001<					
		MAXIMUM	0.30	0.30	28.5		0.8		3.40	89.3	0.002
		ARITH MEAN	0.30	0.21	23.9		0.5<A		2.01	70.8	0.002
		GEOM MEAN			23.7		0.5<A		1.90	70.2	
		MINIMUM	0.30	0.03	18.1		0.2		1.20	61.5	0.002
		STD DEV (GEOM *)			3.4		0.2<A		0.75	10.8	
# SAMP IN STATISTICS		17		3	7		6		7	7	1
% SAMP (EXCLUDED)											85

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

89

B.O.W./ SITE: SULPHIDE CREEK  
 SAMPLE POINT: UPSTREAM FROM STOCO LAKE HUNGERFORD TWP  
 STATION TYPE: RIVER

STATION ID: 17-0026-008-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 29 51.84 LONG: 077 16 57.37

U T M: 18 0318525.0 4929475.0 4

REGION: 04

DISTANCE: 52.785

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ASUT ARSENIC UNF.TOT. MG/L AS AS	DO DISOLVED OXYGEN MG/L AS O	FWSTRC STREAM COND.	FWTEMP WATER TEMP DEG.C
SAMPLE DATE YYMMDD	HOURLMT	SAMPLE DEPTH NUMBER M	WATER DEPTH M	PROJECT SUB-PROJ CODE				
870105	0900	27003	0.30	0101	NO DATA RE			
870318	1242	15683	0.30	0101	0.001<		8	
870423	1140	15699	0.30	0101	0.001<			
870504	0930	27029	0.30	0101	0.001<		8	9.5
870514	1145	15716	0.30	0101	0.001		8	
870629	1220	15737	0.30	0101	0.001<		8	
870706	0955	27042	0.30	0101	0.001<		8	25.0
870709	1205	15750	0.30	0101	0.001<			
870914	0902	27068	0.30	0101	0.001<	2.90	8	17.0
870915	1155	15780	0.30	0101	0.001<		8	
871005	0937	27081	0.30	0101	0.001<	6.00	8	8.0
871102	0920	27094	0.30	0101	0.001<	8.50	8	4.0
871113	1151	15808	0.30	0101	0.001<		8	
871207	0924	27107	0.30	0101	0.001<	10.20	8	
871214	1155	15821	0.30	0101	0.001<			
MAXIMUM		0.30	0.30		0.001	10.20		25.0
ARITH MEAN		0.30	0.21		0.001	6.90		12.7
GEOM MEAN						6.23		10.5
MINIMUM		0.30	0.03		0.001	2.90		4.0
STD DEV (GEOM *)						3.18		8.3
# SAMP IN STATISTICS		15	3		1	4		5
% SAMP (EXCLUDED)					92			



B.O.W./ SITE: SKOOTAMOTTA RIVER  
 SAMPLE POINT: HIGHWAY 7 NEAR ACTINOLITE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HL004

STATION ID: 17-0026-009-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 32 57.30 LONG: 077 19 42.11

U T M: 18 0315050.0 4935300.0 4

REGION: 04

DISTANCE: 60.671

*=INTERIM		TEST-NAME:	FWSADP	FWDPTS	FGPROJ	ALKT	ASUT	BOD5	CDUT	CLIDUR	COND25	CRUT	
						ALK	ARSENIC	BOD					
SAMPLE			SAMPLE	WATER	PROJECT	TOTAL	UNF.TOT.	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	
DATE	HR	SAMPLE	DEPTH	DEPTH	SUB-PROJ	MG/L	MG/L	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	
YYMMDD	LMT	NUMBER	M	M	CODE	AS CAC03	AS AS	AS O	AS CD	AS CL-	UMHO/CM	MG/L	
											AT 25 C	AS CR	
870105	0930	27005	0.30		0101	25.6	0.001<	NO DATA	LC	0.0003<	2.00	69.6	0.002
870122	1145	15660	0.30		0101		0.001<						
870224	1201	15671	0.30		0101		0.001<						
870318		15681	0.30		0101		0.001<						
870423	1100	15697	0.30		0101		0.001<						
870504	0950	27031	0.30		0101	24.0	0.001<	0.8<T	0.0003<	2.00	65.1	0.001<	
870514	1125	15714	0.30		0101		0.001<						
870629	1155	15735	0.30		0101		0.001<						
870706	1041	27044	0.30		0101	23.5	0.001<	0.5<T	0.0003<	1.20	63.7	0.001<	
870709	1131	15748	0.30		0101		0.001<						
870914	1010	27070	0.30	0.03	0101	21.4	0.001<	0.4<T	0.0003<	1.25	61.5	0.001<	
870915	1134	15778	0.30		0101		0.001<						
871005	1030	27083	0.30	0.30	0101	28.5	0.001<	0.2<T	0.0003<	2.45	82.7	0.001<	
871102	0950	27096	0.30		0101	26.3	0.001<	0.7<T	0.0003<	3.40	89.3	0.001<	
871113	1126	15806	0.30		0101		0.001<						
871207	1004	27109	0.30	0.30	0101	18.1	0.001<	0.6<T	0.0003<	1.80	63.8	0.001<	
871214	1118	15819	0.30		0101		0.001<						
MAXIMUM			0.30	0.30		28.5		0.8		3.40	89.3	0.002	
ARITH MEAN			0.30	0.21		23.9		0.5<A		2.01	70.8	0.002	
GEOM MEAN						23.7		0.5<A		1.90	70.2		
MINIMUM			0.30	0.03		18.1		0.2		1.20	61.5	0.002	
STD DEV (GEOM *)						3.4		0.2<A		0.75	10.8		
# SAMP IN STATISTICS			17	3		7		6		7	7	1	
% SAMP (EXCLUDED)												85	

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

91

B.O.W./ SITE: SKOOTAMOTTA RIVER  
 SAMPLE POINT: HIGHWAY 7 NEAR ACTINOLITE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HL004

STATION ID: 17-0026-009-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 32 57.30 LONG: 077 19 42.11 U T M: 18 0315050.0 4935300.0 4 REGION: 04 DISTANCE: 60.671

*=INTERIM		TEST-NAME:	CUUT	DO	FEUT	FWFLOW	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N TOTAL	NNOTFR	NN02FR
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM FLOW M3 /S	STREAM COND.	WATER TEMP DEG.C	POTASSIM UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N
870105	0930	27005	0.002	14.00	0.660	7.260	8		1.020	0.002<W	0.020<W	0.0010<W
870122	1145	15660				6.400	4					
870224	1201	15671				4.240	8					
870318		15681				7.550	8					
870423	1100	15697				10.200						
870504	0950	27031	0.001		0.450	6.300	8	10.0	0.740	0.036	0.060<T	0.0080
870514	1125	15714				2.750	8					
870629	1155	15735				2.080	8					
870706	1041	27044	0.002		0.380	1.640	8	23.0	0.790	0.028	0.060<T	0.0085
870709	1131	15748				1.300						
870914	1010	27070	0.001	6.20	0.230	0.473	8	19.0	0.970	0.038	0.045<T	0.0060
870915	1134	15778				0.453	8					
871005	1030	27083	0.001<	7.20	0.210	0.650	8	11.5	1.150	0.022	0.035<T	0.0020<T
871102	0950	27096	0.099	11.00	0.280	2.630	8	4.5	1.190	0.020	0.045<T	0.0030<T
871113	1126	15806				4.050	8					
871207	1004	27109	0.001<	10.60	0.220	8.400	8		0.850	0.016	0.045<T	0.0040<T
871214	1118	15819				12.000						
MAXIMUM			0.099	14.00	0.660	12.000		23.0	1.190	0.038	0.060	0.0085
ARITH MEAN			0.021	9.80	0.347	4.610		13.6	0.959	0.023<A	0.044<A	0.0046<A
GEOM MEAN				9.39	0.319	3.053		11.8	0.945	0.018<A	0.042<A	0.0037<A
MINIMUM			0.001	6.20	0.210	0.453		4.5	0.740	0.002	0.020	0.0010
STD DEV (GEOM *)				3.14	0.165	3.588		7.4	0.174	0.012<A	0.014<A	0.0029<A
# SAMP IN STATISTICS			5	5	7	17		5	7	7	7	7
% SAMP (EXCLUDED)			28									

( C O N T D )

B.O.W./ SITE: SKOOTAMOTTA RIVER  
 SAMPLE POINT: HIGHWAY 7 NEAR ACTINOLITE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HL004

STATION ID: 17-0026-009-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 32 57.30 LONG: 077 19 42.11

U T M: 18 0315050.0 4935300.0 4

REGION: 04

DISTANCE: 60.671

*=INTERIM TEST-NAME:		NNTKUR K'DAHL N TOTAL	PBUT LEAD	PH	PHNOL PHENOLS	PPUT PHOSPHOR	RSP RESIDUE	TURB TURB'ITY	ZNUT ZINC	
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB	PH	UNF-REAC UG/L PHENOL	UNF.TOT. MG/L AS P	PARTIC. MG/L	FTU	UNF.TOT. MG/L AS ZN
870105	0930	27005	0.500	0.003<	7.52	0.6<T	0.038	2.2<T	2.50	0.006
870504	0950	27031	0.400	0.004	7.68	0.6<T	0.128	3.1	3.30	0.022
870706	1041	27044	0.380	0.003<	7.63	0.4<T	0.020	1.9<T	2.20	0.007
870914	1010	27070	0.420	0.003<	7.52	0.2<W	0.040	1.0<T	1.19	0.004
871005	1030	27083	0.430	0.003<	7.59	0.6<T	0.011	1.0<T	1.10	0.004
871102	0950	27096	0.520	0.003<	7.63	NO DATA IN R	0.079	2.3<T	1.15	0.005
871207	1004	27109	0.520	0.003<	7.52	0.4<T	0.019	1.7<T	1.19	0.006
MAXIMUM		0.520	0.004	7.68	0.6	0.128	3.1	3.30	0.022	
ARITH MEAN		0.453	0.004	7.58	0.5<A	0.048	1.9<A	1.80	0.008	
GEOM MEAN		0.450		7.58	0.4<A	0.035	1.8<A	1.64	0.006	
MINIMUM		0.380	0.004	7.52	0.2	0.011	1.0	1.10	0.004	
STD DEV (GEOM *)		0.059		0.07	0.2<A	0.042	0.7<A	0.87	0.006	
# SAMP IN STATISTICS		7	1	7	6	7	7	7	7	
% SAMP (EXCLUDED)			85							



B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: HWY 62 BRIDGE  
 STATION TYPE: LAKE

STATION ID: 17-0026-011-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 28 42.03 LONG: 077 28 05.71 U T M: 18 0303700.0 4927750.0 4 REGION: 04 DISTANCE: 71.453

*INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ALKT	ASUT	BOD5	CDUT	CLIDUR	COND25	CRUT
					ALK	ARSENIC	BOD				
					TOTAL	UNF. TOT.	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM
					MG/L	MG/L	TOT. DEM.	UNF. TOT.	UNF. REAC	25C	UNF. TOT.
					AS CAC03	AS AS	MG/L	MG/L	MG/L	UMHO/CM	MG/L
							AS 0	AS CD	AS CL-	AT 25 C	AS CR
SAMPLE DATE	YEAR MONTH DAY	SAMPLE DEPTH	WATER DEPTH	PROJECT SUB-PROJ CODE							
YYMMDD	LMT	NUMBER	M								
870122	1015	15655	0.30				0.005				
870224	1028	15666	0.30	0101			0.013				
870318	1048	15676	0.30	0101			0.009				
870423	0955	15692	0.30	0101			0.018				
870504	1145	27036	0.30	0101	142.1		0.016	1.1	0.0003<	7.25	301.0
870514	1005	15709	0.30	0101			0.016				0.002
870629	1042	15730	0.30	0101			0.035				
870706	1244	27049	0.30	0101	142.9		0.051	0.3<T	0.0003<	7.50	300.0
870709	1003	15743	0.30	0101			0.040				0.001<
870914	1256	27075	0.30	0101	131.0		0.090	1.3	0.0003<	7.75	279.0
870915	1010	15773	0.30	0101			0.086				0.002
871005	1235	27088	0.30	0101	131.0		0.066	NO DATA CR	0.0003<	7.90	284.0
871102	1140	27101	0.30	0101	139.7		0.052	1.6	0.0003<	9.30	311.0
871113	1018	15801	0.30	0101			0.042				0.003
871207	1218	27114	0.30	0101	101.6		0.019	0.8	0.0003<	6.60	269.0
871214	1007	15814	0.30	0101			0.015				0.001
MAXIMUM		0.30	0.30		142.9		0.090	1.6		9.30	311.0
ARITH MEAN		0.30	0.21		131.4		0.036	1.0<A		7.72	290.7
GEOM MEAN					130.5		0.027	0.9<A		7.67	290.3
MINIMUM		0.30	0.03		101.6		0.005	0.3		6.60	269.0
STD DEV (GEOM *)					15.5		0.027	0.5<A		0.90	15.9
# SAMP IN STATISTICS		16	3		6	16	5		6	6	5
% SAMP (EXCLUDED)											16

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

95

B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: HWY 62 BRIDGE  
 STATION TYPE: LAKE

STATION ID: 17-0026-011-01

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 28 42.03 LONG: 077 28 05.71 U T M: 18 0303700.0 4927750.0 4 REGION: 04 DISTANCE: 71.453

*=INTERIM TEST-NAME:		CUUT	DO	FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N	NNO2FR NO2-N	NNTKUR K'DAHL N TOTAL	
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	POTASSIM UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N
870122	1015	15655				4						
870224	1028	15666				4						
870318	1048	15676				8						
870504	1145	27036	0.003		0.080	8	10.0	1.420	0.054	0.070<T	0.0065	0.430
870514	1005	15709				8						
870629	1042	15730				8						
870706	1244	27049	0.002	6.20	0.036	5	25.0	1.300	0.034	0.020<W	0.0065	0.430
870914	1256	27075	0.004	5.70	0.230	8	20.0	1.330	0.016	0.025<T	0.0040<T	0.670
870915	1010	15773				8						
871005	1235	27088	0.001	8.00	0.062	8	14.0	1.400	0.026	0.045<T	0.0025<T	0.610
871102	1140	27101	0.002	8.00	0.069	8	8.0	1.450	0.002<W	0.020<W	0.0020<T	0.550
871113	1018	15801				8						
871207	1218	27114	0.002	10.70	0.110	8		1.420	0.008<T	0.095<T	0.0045<T	0.460
		MAXIMUM	0.004	10.70	0.230		25.0	1.450	0.054	0.095	0.0065	0.670
		ARITH MEAN	0.002	7.72	0.098		15.4	1.387	0.023<A	0.046<A	0.0043<A	0.525
		GEOM MEAN	0.002	7.53	0.082		14.1	1.386	0.015<A	0.038<A	0.0040<A	0.517
		MINIMUM	0.001	5.70	0.036		8.0	1.300	0.002	0.020	0.0020	0.430
		STD DEV (GEOM *)	0.001	1.96	0.069		7.1	0.059	0.019<A	0.031<A	0.0019<A	0.101
		# SAMP IN STATISTICS	6	5	6		5	6	6	6	6	6
		% SAMP (EXCLUDED)										

*=INTERIM TEST-NAME:		PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
870504	1145	27036	0.003<	8.22	0.029	2.00	0.020<
870706	1244	27049	0.003<	8.38	0.021	2.80	0.005
870914	1256	27075	0.003<	8.48	0.2<W	5.80	0.006
871005	1235	27088	0.003<	8.32	0.4<T	2.60	0.006
871102	1140	27101	0.003<	8.29	0.2<W	2.30	0.003
871207	1218	27114	0.003<	8.15	0.2<T	1.25	0.008
		MAXIMUM		8.48	0.4	5.80	0.008
		ARITH MEAN		8.31	0.2<A	2.79	0.006
		GEOM MEAN		8.31	0.2<A	2.50	
		MINIMUM		8.15	0.2	1.25	0.003
		STD DEV (GEOM *)		0.12	0.1<A	1.57	
		# SAMP IN STATISTICS		6	4	6	5
		% SAMP (EXCLUDED)					16

B.O.W./ SITE: DEER CREEK  
 SAMPLE POINT: SEYMOUR ST., MADOC  
 STATION TYPE: RIVER

STATION ID: 17-0026-012-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 15 37.11 LONG: 077 27 55.33

U T M: 18 0303200.0 4903525.0 4

REGION: 04

DISTANCE: 74.832

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ASUT	DO	FWSTRC	FWTEMP
SAMPLE		SAMPLE	WATER	PROJECT	ARSENIC	DISOLVED		WATER
DATE	HR	DEPTH	DEPTH	SUB-PROJ	UNF.TOT.	OXYGEN	STREAM	TEMP
YYMMDD	LMT	M	M	CODE	MG/L	MG/L	COND.	DEG.C
					AS AS	AS O		
870105	1110	27009	0.30	0101	0.001<	14.00	8	
870122	1030	15656	0.30	0101	0.001<		4	
870224	1039	15667	0.30	0101	0.001<		4	
870318	1057	15677	0.30	0101	0.001<		8	
870423	1000	15693	0.30	0101	0.002			
870504	1140	27035	0.30	0101	0.001<		8	10.0
870514	1015	15710	0.30	0101	0.001		8	
870629	1052	15731	0.30	0101	0.001		8	
870706	1208	27048	0.30	0101	0.001	5.80	8	24.0
870709	1011	15744	0.30	0101	0.002			
870914	1138	27074	0.30	0101	0.002	6.00	8	20.0
870915	1037	15774	0.30	0101	0.002		8	
871005	1220	27087	0.30	0101	0.001	8.00	8	11.0
871102	1130	27100	0.30	0101	0.001<	12.00	8	6.0
871113	1026	15802	0.30	0101	0.001<		8	
871207	1204	27113	0.30	0101	0.001<	9.80	8	
871214	1014	15815	0.30	0101	0.001<			
MAXIMUM		0.30	0.30		0.002	14.00		24.0
ARITH MEAN		0.30	0.21		0.001	9.27		14.2
GEOM MEAN						8.78		12.6
MINIMUM		0.30	0.03		0.001	5.80		6.0
STD DEV (GEOM *)						3.30		7.5
# SAMP IN STATISTICS		17	3		8	6		5
% SAMP (EXCLUDED)					52			





B.O.W./ SITE: MOIRA RIVER  
 SAMPLE POINT: BRIDGE AT MALONE  
 STATION TYPE: RIVER

STATION ID: 17-0026-019-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: MOIRA RIVER

STORET CODE: 02  
 004  
 1090

LAT: 44 33 21.05 LONG: 077 36 22.48

U T M: 18 0293000.0 4936700.0 4

REGION: 04

DISTANCE: 100.742

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ASUT	DO	FWSTRC	FWTEMP
				ARSENIC	DISOLVED		
SAMPLE		SAMPLE	PROJECT	UNF.TOT.	OXYGEN		WATER
DATE		DEPTH	SUB-PROJ	MG/L	MG/L	STREAM	TEMP
YYMMDD	HOUR	M	CODE	AS AS	AS O	COND.	DEG.C
870105	1035	27008	0101	0.001<	14.00	8	
870122	1105	15658	0101	0.001<		4	
870224	1119	15669	0101	0.001<		4	
870318	1130	15679	0101	0.001<		8	
870423	1030	15695	0101	0.001<			
870514	1040	15712	0101	0.001<		8	
870629	1120	15733	0101	0.001		8	
870706	1137	27047	0101	0.001<	6.80	9	23.5
870709	1041	15746	0101	0.001			
870915	1103	15776	0101	0.002		3	
871113	1053	15804	0101			8	
871214		15817	0101	0.001<			
MAXIMUM		0.30		0.002	14.00		23.5
ARITH MEAN		0.30		0.001	10.40		23.5
GEOM MEAN					9.76		
MINIMUM		0.30		0.001	6.80		23.5
STD DEV (GEOM *)					5.09		
# SAMP IN STATISTICS		12		3	2		1
% SAMP (EXCLUDED)				72			

## 1987 WATER QUALITY DATA REGION 4

99

B.O.W./ SITE: SALMON RIVER  
 SAMPLE POINT: DUNDAS ST., SHANNONVILLE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HM003

STATION ID: 17-0031-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: SALMON RIVER

STORET CODE: 02  
 004  
 1000

LAT: 44 11 46.61 LONG: 077 13 47.36

U T M: 18 0321810.0 4895875.0 4

REGION: 04

DISTANCE: 2.897

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO		
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
					TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	COPPER	OXYGEN	
					MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	
					AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O	
870210	1300	27757	0.30	0101	115.5	0.6<T	0.0003<	5.30	243.0	0.001<	0.001<W		
870303	1200	27761	0.30	0101	116.8	2.7	0.0003<	8.00	265.0	0.001<	0.001	13.60	
870407	1035	27763	0.30	0101	108.5	1.0	0.0003<	4.65	234.0	0.001<	0.001	12.00	
870503	1220	27766	0.30	0101	105.9	0.8<T		5.05	225.0			10.70	
870601	1015	27772	0.30	0101	100.5	0.6<T	0.0003<	3.85	210.0	0.001<	0.001<W	7.20	
870707	1245	27776	0.30	0101	99.6	0.4<T	0.0003<	4.10	212.0	0.001	0.001	7.20	
870810	1245	27780	0.30	0101	105.1	0.6<T	0.0003<	5.50	226.0	0.001<	0.001	8.30	
871005	1000	27786	0.30	0101	134.9	0.4<T	0.0003<	11.90	321.0	0.002	0.001<	9.60	
871109	1110	27792	0.30	0101	179.3	0.6<T	0.0003<	11.50	421.0	0.003	0.001	12.30	
871207	1235	27796	0.30	0101	100.8	0.3<T	0.0003<	4.50	237.0	0.002	0.001<	14.60	
		MAXIMUM	0.30		179.3	2.7		11.90	421.0	0.003	0.001	14.60	
		ARITH MEAN	0.30		116.7	0.8<A		6.43	259.4	0.002	0.001<A	10.61	
		GEOM MEAN			114.8	0.6<A		5.92	253.4			10.29	
		MINIMUM	0.30		99.6	0.3		3.85	210.0	0.001	0.001	7.20	
		STD DEV (GEOM *)			24.4	0.7<A		3.00	65.3			2.72	
		# SAMP IN STATISTICS	10		10	10		10	10	4	7	9	
		% SAMP (EXCLUDED)								55	22		
*=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT		
		IRON	STREAM			POTASSIM	NH3-N			K'DAHL N			
		UNF.TOT.	FLOW			UNF.REAC	TOTAL	NO2+NO3N	NO2-N	TOTAL	LEAD		
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	MG/L	M3	STREAM	TEMP	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.	
			AS FE	/S	COND.	DEG.C	AS K	AS N	AS N	AS N	AS N	AS N	AS PB
870210	1300	27757	0.230	4.650	8	0.5	1.130	0.046	0.190	0.0070	0.350	0.003	
870303	1200	27761	0.280	9.780		1.0	1.420	0.086	0.445	0.0180	0.380	0.005	
870407	1035	27763	0.430	72.900	8	7.5	1.210	0.006<T	0.150	0.0035<T	0.330	0.003<	
870503	1220	27766		11.300	8	12.5	1.200	0.018	0.040<T	0.0065	0.460		
870601	1015	27772	0.290	4.300	8	24.0	1.050	0.070	0.150	0.0105	0.480	0.015	
870707	1245	27776	0.570	1.650	8	25.0	0.970	0.030	0.035<T	0.0030<T	NO DATA IS	0.003<	
870810	1245	27780	0.390	0.413	8	23.0	0.950	0.058	0.020<T	0.0030<T	0.450	0.003<	
871005	1000	27786	0.270	0.365	8		1.530	0.022	0.040<T	0.0040<T	0.410	0.003	
871109	1110	27792	0.280	3.590	8	5.5	NO DATA IS	0.002	0.105	0.0025<T	0.530	0.003	
871207	1235	27796	0.290	21.200	8	1.0	1.140	0.002<T	0.095<T	0.0050	0.420	0.005	

( C O N T D )

B.O.W./ SITE: SALMON RIVER  
 SAMPLE POINT: DUNDAS ST., SHANNONVILLE  
 STATION TYPE: RIVER FLOW GAUGE FED 02HM003

STATION ID: 17-0031-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: SALMON RIVER

STORET CODE: 02  
 004  
 1000

LAT: 44 11 46.61 LONG: 077 13 47.36

U T M: 18 0321810.0 4895875.0 4

REGION: 04

DISTANCE: 2.897

*=INTERIM		TEST-NAME:	FEUT	FWFLOW	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
			IRON	STREAM			POTASSIM	NH3-N		NO2-N	K'DAHL N	LEAD
SAMPLE		UNF.TOT.	FLOW		WATER	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.	
DATE	HR	MG/L	M3	STREAM	TEMP	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE	/S	COND.	DEG.C	AS K	AS N	AS N	AS N	AS N	AS N	AS PB
		AS FE										
		MAXIMUM	0.570	72.900		25.0	1.530	0.086	0.445	0.0180	0.530	0.015
		ARITH MEAN	0.337	13.015		11.1	1.178	0.034<A	0.127<A	0.0063<A	0.423	0.006
		GEOM MEAN	0.324	4.451		5.3	1.164	0.018<A	0.086<A	0.0052<A	0.419	
		MINIMUM	0.230	0.365		0.5	0.950	0.002	0.020	0.0025	0.330	0.003
		STD DEV (GEOM *)	0.108	21.983		10.4	0.193	0.030<A	0.126<A	0.0048<A	0.064	
		# SAMP IN STATISTICS	9	10		9	9	10	10	10	9	6
		% SAMP (EXCLUDED)										33

*=INTERIM		TEST-NAME:	PH	PHNOL	PPUT	RSP	TURB	ZNUT
				PHENOLS	PHOSPHOR			ZINC
SAMPLE		UNF-REAC	UNF.TOT.	UNF-REAC	RESIDUE	TURB'ITY	UNF.TOT.	UNF.TOT.
DATE	HR	UG/L	MG/L	MG/L	PARTIC.	FTU	MG/L	MG/L
YYMMDD	LMT	PHENOL	AS P	AS P	MG/L		AS ZN	AS ZN
870210	1300	27757	8.23	0.6<T	0.002<T	1.4<T	2.70	0.006
870303	1200	27761	8.01	1.2	0.035	3.0	3.60	0.007
870407	1035	27763	8.16	0.2<T	0.027	12.5	6.40	0.002
870503	1220	27766	8.28	NO DATA NR	0.027		1.96	
870601	1015	27772	8.31	1.0	0.045	6.9	3.80	0.008
870707	1245	27776	8.25	0.2<W	NO DATA IS	4.6	2.90	0.002
870810	1245	27780	8.31	NO DATA NR	0.022	3.4	3.10	0.001
871005	1000	27786	8.26	0.2<T	0.015	5.2	2.40	0.002<
871109	1110	27792	8.37	0.2<W	0.038	3.4	2.70	0.002<
871207	1235	27796	8.06		0.012	2.0<T	1.60	0.002
		MAXIMUM	8.37	1.2	0.045	12.5	6.40	0.008
		ARITH MEAN	8.22	0.5<A	0.025<A	4.7<A	3.12	0.004
		GEOM MEAN	8.22	0.4<A	0.019<A	3.9<A	2.91	
		MINIMUM	8.01	0.2	0.002	1.4	1.60	0.001
		STD DEV (GEOM *)	0.11	0.4<A	0.014<A	3.4<A	1.33	
		# SAMP IN STATISTICS	10	7	9	9	10	7
		% SAMP (EXCLUDED)						22

## 1987 WATER QUALITY DATA REGION 4

101

B.O.W./ SITE: NAPANEE RIVER  
 SAMPLE POINT: DNSTR. FROM NAPANEE, RIVER ROAD  
 STATION TYPE: RIVER FLOW GAUGE FED 02HM001

STATION ID: 17-0035-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: NAPANEE RIVER

STORET CODE: 02  
 004  
 0870

LAT: 44 13 00.27		LONG: 076 58 26.77		U T M: 18 0342300.0 4897625.0 4				REGION: 04		DISTANCE: 5.633	
*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY						
				ALK	TOT.DEM.	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
				TOTAL	MG/L	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
				MG/L	AS O	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
				AS CAC03		AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
SAMPLE DATE	HR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE							
YYMMDD	LMT										
870210	1330	27756	0.30	0101	NO DATA BT	NO DATA BT	0.0010	NO DATA BT	NO DATA BT	0.001	0.005
870303	1300	27760	0.30	0101	126.9	1.9	0.0003<	26.40	345.0	0.001<	0.002
870407	0935	27762	0.30	0101	120.5	1.8	0.0003<	6.95	269.0	0.001<	0.001
870503	1425	27769	0.30	0101	116.3	1.1		9.05	260.0		
870601	1100	27773	0.30	0101	118.1	1.2	0.0003<	11.05	272.0	0.001	0.002
870707	1345	27777	0.30	0101	101.8	1.3	0.0003<	9.20	235.0	0.001	0.001
870810	1320	27781	0.30	0101	96.3	2.4	0.0003<	10.60	232.0	0.001	0.022
871005	1345	27789		0101	89.0	1.1	0.0003<	12.95	237.0	0.002	0.001
871109	1145	27793	0.30	0101	124.4	1.0	0.0003<	13.30	314.0	0.002	0.001
871207	1315	27797	0.30	0101	80.2	0.9<T	0.0003<	5.80	211.0	0.002	0.002
		MAXIMUM	0.30		126.9	2.4	0.0010	26.40	345.0	0.002	0.022
		ARITH MEAN	0.30		108.2	1.4<A	0.0010	11.70	263.9	0.001	0.004
		GEOM MEAN			106.9	1.3<A		10.67	261.0		0.002
		MINIMUM	0.30		80.2	0.9	0.0010	5.80	211.0	0.001	0.001
		STD DEV (GEOM *)			16.8	0.5<A		6.05	42.7		0.007
		# SAMP IN STATISTICS	9		9	9	1	9	9	7	9
		% SAMP (EXCLUDED)					88			22	8
*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	PH
						NH3-N			K'DAHL N		
					POTASSIM	TOTAL			TOTAL	LEAD	
					UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.	
					MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
					AS K	AS N	AS N	AS N	AS N	AS PB	PH
SAMPLE DATE	HR	SAMPLE NUMBER	IRON UNF.TOT. MG/L	STREAM COND.	WATER TEMP DEG.C						
YYMMDD	LMT		AS FE								
870210	1330	27756	0.440	4		NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	0.005	NO DATA BT
870303	1300	27760	0.660	4	2.0	2.680	0.320	0.530	0.0170	0.004	7.88
870407	0935	27762	0.220	8	7.0	1.610	0.032	0.215	0.0045<T	0.370	0.003
870503	1425	27769		8	12.0	1.520	0.160	0.125	0.0095	0.660	
870601	1100	27773	0.590	8	25.0	1.920	0.300	0.220	0.0300	1.410	0.018
870707	1345	27777	0.560	8	25.0	1.210	0.166	0.160	0.0210	0.800	0.006
870810	1320	27781	0.740	8	23.0	1.030	0.100	0.185	0.0365	0.680	0.003<
871005	1345	27789	0.540			2.110	0.070	0.235	0.0195	0.610	0.003<
871109	1145	27793	0.400	8	6.0	2.010	0.146	0.310	0.0135	0.770	0.003<
871207	1315	27797	0.410	4	0.5	1.530	0.028	0.240	0.0060	0.610	0.004

( C O N T D )

B.O.W./ SITE: NAPANEE RIVER  
 SAMPLE POINT: DNSTR. FROM NAPANEE, RIVER ROAD  
 STATION TYPE: RIVER FLOW GAUGE FED 02HM001

STATION ID: 17-0035-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: NAPANEE RIVER

STORET CODE: 02  
 004  
 0870

LAT: 44 13 00.27 LONG: 076 58 26.77

U T M: 18 0342300.0 4897625.0 4

REGION: 04

DISTANCE: 5.633

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N	PBUT	PH		
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	POTASSIM UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	
			MAXIMUM		0.740	25.0	2.680	0.320	0.530	0.0365	1.410	0.018	8.22
			ARITH MEAN		0.507	12.6	1.736	0.147	0.247	0.0175<A	0.761	0.007	8.12
			GEOM MEAN		0.481	7.2	1.671	0.110	0.227	0.0144<A	0.718		8.12
			MINIMUM		0.220	0.5	1.030	0.028	0.125	0.0045	0.370	0.003	7.88
			STD DEV (GEOM *)		0.157	10.3	0.502	0.106	0.118	0.0107<A	0.289		0.11
			# SAMP IN STATISTICS		9	8	9	9	9	9	9	6	9
			% SAMP (EXCLUDED)									33	

*=INTERIM TEST-NAME:		PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
870210	1330	27756	NO DATA BT	NO DATA BT	0.026
870303	1300	27760	0.084	7.60	0.013
870407	0935	27762	0.2<T	4.60	0.003
870503	1425	27769	0.074	6.80	
870601	1100	27773	0.110	10.50	0.009
870707	1345	27777	0.099	4.40	0.003
870810	1320	27781	0.111	11.20	0.005
871005	1345	27789	0.2<T	0.90	0.800
871109	1145	27793	0.2<W	4.30	0.003
871207	1315	27797	0.027	2.10	0.006
			MAXIMUM		0.2
			ARITH MEAN		0.2<A
			GEOM MEAN		0.2<A
			MINIMUM		0.2
			STD DEV (GEOM *)		0.0<A
			# SAMP IN STATISTICS		3
			% SAMP (EXCLUDED)		9

## 1987 WATER QUALITY DATA REGION 4

103

B.O.W./ SITE: NAPANEE RIVER  
 SAMPLE POINT: MINK BRIDGE UPSTREAM FROM HIGHWAY 401  
 STATION TYPE: RIVER FLOW GAUGE FED 02HM001

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: NAPANEE RIVER

STATION ID: 17-0035-002-02

STORET CODE: 02  
 004  
 0870

LAT: 44 16 39.43 LONG: 076 55 42.23 U T M: 18 0346110.0 4904300.0 4 REGION: 04 DISTANCE: 14.806

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT. 25C	CHROMIUM	COPPER	DISOLVED
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL MG/L	TOT.DEM. MG/L	UNF.TOT. MG/L	UNF.REAC MG/L	UMHO/CM AT 25 C	UNF.TOT. MG/L	UNF.TOT. MG/L	OXYGEN MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-		AS CR	AS CU	AS O
870210	1230	27755	0101	133.1	0.9<T	0.0003<	6.15	278.0	0.002	0.001	
870303	1030	27759	0101	144.7	1.3	0.0003<	11.00	327.0	0.001<	0.001	13.80
870407	1130	27764	0101	110.3	0.8<T	0.0003<	5.05	239.0	0.001<	0.001<W	12.20
870503	1255	27767	0101	110.4	0.9<T		6.45	239.0			10.50
870601	0945	27771	0101	102.2	1.0<T	0.0003<	5.40	221.0	0.001<	0.001<W	6.40
870707	1200	27775	0101	92.9	0.4<T	NO DATA IS	5.40	202.0	NO DATA IS	NO DATA IS	6.60
870810	1200	27779	0101	87.0	1.0<T	0.0003<	4.80	194.0	0.001<	0.028	5.60
871005	1040	27787	0101	97.7	0.9<T	0.0003<	7.30	236.0	0.002	0.001<	8.10
871109	1035	27791	0101	130.5	0.7<T	0.0003<	9.20	312.0	0.003	0.001<	10.80
871207	1200	27795	0101	76.6	0.8<T	0.0003<	5.20	200.0	0.002	0.001<	14.60
MAXIMUM		0.30		144.7	1.3		11.00	327.0	0.003	0.028	14.60
ARITH MEAN		0.30		108.5	0.9<A		6.59	244.8	0.002	0.006<A	9.84
GEOM MEAN				106.6	0.8<A		6.36	241.0			9.33
MINIMUM		0.30		76.6	0.4		4.80	194.0	0.002	0.001	5.60
STD DEV (GEOM *)				21.8	0.2<A		2.04	46.6			3.33
# SAMP IN STATISTICS		10		10	10		10	10	4	5	9
% SAMP (EXCLUDED)									50	37	

*=INTERIM TEST-NAME:		FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NN02FR	NNTKUR	PBUT	PH
						NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD	
SAMPLE DATE	HOUR	SAMPLE NUMBER	STREAM COND.	MERCURY UNF.TOT. UG/L	POTASSIM UNF.REAC MG/L	TOTAL FIL.REAC MG/L	FIL.REAC MG/L	FIL.REAC MG/L	UNF.REAC MG/L	UNF.TOT. MG/L	PH
YYMMDD	LMT	NUMBER	COND.	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB	
870210	1230	27755	8	0.5	NO DATA SS	1.640	0.084	0.150	0.0090	0.049	8.24
870303	1030	27759		1.0	NO DATA SS	2.130	0.184	0.705	0.0155	0.003<	8.00
870407	1130	27764	8	9.0	NO DATA SS	1.450	0.024	0.125	0.0035<T	0.003<	8.15
870503	1255	27767	8	12.0	NO DATA SS	1.260	0.016	0.080<T	0.0055	0.470	8.19
870601	0945	27771	8	23.0	NO DATA SS	1.420	0.132	0.135	0.0195	1.080	8.16
870707	1200	27775	8	25.0	NO DATA SS	0.860	0.042	0.065<T	0.0045<T	NO DATA IS	8.14
870810	1200	27779	8	23.0	NO DATA SS	0.860	0.138	0.085<T	0.0115	0.610	8.00
871005	1040	27787	8		NO DATA SS	1.520	0.090	0.090<T	0.0075	0.730	7.99
871109	1035	27791	8	7.0	NO DATA SS	1.860	0.042	0.340	0.0065	0.640	8.22
871207	1200	27795	8		NO DATA SS	1.380	0.008<T	0.180	0.0050	0.560	7.85

( C O N T D )

## 104

STORET CODE: 02  
004  
0870

**DISTANCE: 14.806**

MAXIMUM	2.4	5.5	3.90	0.037
ARITH MEAN	0.6<A	3.7<A	2.83	0.009
GEOM MEAN	0.4<A	3.5<A	2.74	0.005
MINIMUM	0.2	1.7	1.77	0.001
STD DEV (GEOM *)	0.7<A	1.1<A	0.75	0.012
# SAMP IN STATISTICS	9	10	10	8
% SAMP (EXCLUDED)				

## 1987 WATER QUALITY DATA REGION 4

105

B.O.W./ SITE: NAPANEE RIVER  
 SAMPLE POINT: AT BRIDGE IN TOWN OF NEWBURGH  
 STATION TYPE: RIVER

STATION ID: 17-0035-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: NAPANEE RIVER

STORET CODE: 02  
 004  
 0870

LAT: 44 19 24.66				LONG: 076 52 31.70				U T M: 18 0350450.0 4909300.0 4				REGION: 04		DISTANCE: 22.530	
*=INTERIM		TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO		
						ALK	BOD								
						TOTAL	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED		
SAMPLE				SAMPLE	PROJECT	MG/L	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN		
DATE				DEPTH	SUB-PROJ	AS CAC03	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L		
YYMMDD				M	CODE		AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O		
870210	1215		27754	0.30	0101	127.6	1.1	0.0003<	5.95	266.0	0.001<	0.001			
870303	1010		27758	0.30	0101	143.1	0.4<T	0.0003<	9.35	314.0	0.001<	0.002	14.00		
870407	1150		27765	0.30	0101	105.6	1.1	0.0003<	5.05	229.0	0.001<	0.001<W	12.20		
870503	1345		27768	0.30	0101	103.0	0.7<T		3.85	214.0			10.20		
870601	0920		27770	0.30	0101	95.6	0.8<T	0.0003<	5.20	204.0	0.001<	0.001<W	8.10		
870707	1130		27774	0.30	0101	90.2	0.6<T	0.0003<	4.70	193.0	0.001	0.001<W	8.00		
870810	1145		27775	0.30	0101	78.5	0.7<T	0.0003<	4.45	170.0	0.001<	0.020	8.30		
871005	1100		27788	0.30	0101	98.8	0.5<T	0.0003<	6.65	237.0	0.001	0.001<	9.00		
871109	1015		27790	0.30	0101	128.7	0.6<T	0.0003<	7.80	301.0	0.004	0.001<	12.30		
871207	1010		27794	0.30	0101	73.2	0.6<T	0.0003<	4.60	191.0	0.002	0.001<	14.00		
MAXIMUM				0.30		143.1	1.1		9.35	314.0	0.004	0.020	14.00		
ARITH MEAN				0.30		104.4	0.7<A		5.76	231.9	0.002	0.004<A	10.68		
GEOM MEAN						102.3	0.7<A		5.56	227.6			10.42		
MINIMUM				0.30		73.2	0.4		3.85	170.0	0.001	0.001	8.00		
STD DEV (GEOM *)						22.6	0.2<A		1.72	48.1			2.49		
# SAMP IN STATISTICS				10		10	10		10	10	4	6	9		
% SAMP (EXCLUDED)											55	33			
*=INTERIM		TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR	NNOTFR	NN02FR	NNTKUR	PBUT	PH		
				IRON			POTASSIM	NH3-N			K'DAHL N				
				UNF.TOT.		WATER	UNF.REAC	TOTAL	N02+N03N	N02-N	K'TOTAL	LEAD			
SAMPLE				MG/L	STREAM	TEMP	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.	PH		
DATE				AS FE	COND.	DEG.C	AS K	AS N	AS N	AS N	AS N	AS PB			
YYMMDD															
870210	1215		27754	0.460	8	0.5	1.650	0.096	0.085<T	0.0075	0.710	0.004	8.19		
870303	1010		27758	0.570	8	1.0	1.800	0.162	0.400	0.0145	0.530	0.012	8.01		
870407	1150		27765	0.180	8	9.0	1.450	0.018	0.055<T	0.0030<T	0.320	0.003<	8.14		
870503	1345		27768		8	13.0	0.920	0.016	0.050<T	0.0065	0.350		8.25		
870601	0920		27770	0.260	8	22.0	1.340	0.066	0.110	0.0160	0.690	0.004	8.33		
870707	1130		27774	0.580	8	24.0	0.830	0.026	0.040<T	0.0035<T	0.520	0.006	8.27		
870810	1145		27775	0.350	8	23.0	0.780	0.042	0.035<T	0.0055	0.490	0.003<	8.33		
871005	1100		27788	0.260	8		1.390	0.016	0.065<T	0.0050	0.510	0.003<	8.30		
871109	1015		27790	0.340	8	7.0	1.710	0.002	0.285	0.0065	0.570	0.004	8.31		
871207	1010		27794	0.390	8		1.310	0.008<T	0.105	0.0045<T	0.550	0.003<	7.79		

( C O N T D )



B.O.W./ SITE: NAPANEE RIVER  
 SAMPLE POINT: AT BRIDGE IN TOWN OF NEWBURGH  
 STATION TYPE: RIVER

STATION ID: 17-0035-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: NAPANEE RIVER

STORET CODE: 02  
 004  
 0870

LAT: 44 19 24.66 LONG: 076 52 31.70

U T M: 18 0350450.0 4909300.0 4

REGION: 04

DISTANCE: 22.530

*INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	KKUR	NNHTFR NH3-N TOTAL	NNO2FR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNTKUR K'DAHL N TOTAL	PBUT	PH	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	POTASSIM UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH
			MAXIMUM		24.0	1.800	0.162	0.400	0.0160	0.710	0.012	8.33
			ARITH MEAN		12.4	1.318	0.045<A	0.123<A	0.0072<A	0.524	0.006	8.19
			GEOM MEAN		6.9	1.267	0.025<A	0.088<A	0.0063<A	0.510		8.19
			MINIMUM		0.5	0.780	0.002	0.035	0.0030	0.320	0.004	7.79
			STD DEV (GEOM *)		9.6	0.366	0.050<A	0.121<A	0.0044<A	0.124		0.17
			# SAMP IN STATISTICS		8	10	10	10	10	10	5	10
			% SAMP (EXCLUDED)								44	

*INTERIM TEST-NAME:		PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	RSP RESIDUE PARTIC. MG/L	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN		
870210	1215	27754	0.8<T	0.064		2.10	0.007	
870303	1010	27758	0.8<T	0.028		2.70	0.005	
870407	1150	27765	0.2<T	0.017		2.90	0.003	
870503	1345	27768	0.6<T	0.025	8.2	2.10		
870601	0920	27770	0.6<T	0.039		3.20	0.003	
870707	1130	27774	0.2<W	0.052		1.82	0.004	
870810	1145	27775	1.0	0.025		2.70	0.001	
871005	1100	27788	0.2<T	0.015		1.22	0.002<	
871109	1015	27790	0.2<W	0.029		3.30	0.002<	
871207	1010	27794		0.022		2.30	0.004	
			MAXIMUM	1.0	0.064	8.2	3.30	0.007
			ARITH MEAN	0.5<A	0.032	8.2	2.43	0.004
			GEOM MEAN	0.4<A	0.029		2.34	
			MINIMUM	0.2	0.015	8.2	1.22	0.001
			STD DEV (GEOM *)	0.3<A	0.016		0.65	
			# SAMP IN STATISTICS	9	10	1	10	7
			% SAMP (EXCLUDED)					22

## 1987 WATER QUALITY DATA REGION 4

107

B.O.W./ SITE: WILTON CREEK  
 SAMPLE POINT: AT CO.RD.NO.8,1MILE WEST OF CHAMBERS  
 STATION TYPE: RIVER FLOW GAUGE FED 02HM004

STATION ID: 17-0037-001-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: WILTON CREEK

STORET CODE: 02  
 004  
 0690

		LAT: 44 12 28.56		LONG: 076 53 46.35		U T M: 18 0348500.0 4896500.0 4		REGION: 04		DISTANCE: 3.219	
*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	FWFLOW	KKUR	NNHTFR	NNOTFR	NNO2FR
SAMPLE DATE	HOUR	SAMPLE	PROJECT	ALK	CHLORIDE	CONDUCT.	STREAM	POTASSIM	NNHTFR	NNOTFR	NNO2FR
YYMMDD	LMT	NUMBER	SUB-PROJ	TOTAL	UNF.REAC	25C	FLOW	UNF.REAC	NH3-N		
			CODE	MG/L	MG/L	UMHO/CM	M3	MG/L	TOTAL	FIL.REAC	FIL.REAC
				AS CAC03	AS CL-	AT 25 C	/S	AS K	FIL.REAC	MG/L	MG/L
									AS N	AS N	AS N
871105		9	0101	236.6	29.90	575.0	0.985	2.490	0.022	0.030<T	0.0025<T
		MAXIMUM		236.6	29.90	575.0	0.985	2.490	0.022	0.030	0.0025
		ARITH MEAN		236.6	29.90	575.0	0.985	2.490	0.022	0.030<A	0.0025<A
		GEOM MEAN									
		MINIMUM		236.6	29.90	575.0	0.985	2.490	0.022	0.030	0.0025
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1	1	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)									
*=INTERIM TEST-NAME:		NNTKUR	PH	PP04FR	PPUT	P3DICA	P3SILV	P324D	P324DB	P324DP	P3245T
		K'DAHL N									
		TOTAL									
SAMPLE DATE	HOUR	SAMPLE		P04	PHOSPHOR						
YYMMDD	LMT	NUMBER	UNF.REAC	FIL.REAC	UNF.TOT.						
			MG/L	MG/L	MG/L	DICAMBA	SILVEX	2,4-D	2,4-DB	2,4-DP	2,4,5-T
			AS N	AS P	AS P	NG/L	NG/L	NG/L	NG/L	NG/L	NG/L
871105		9	0.520	8.39	0.0100	0.033	50<W	20<W	100<W	200<W	100<W
		MAXIMUM	0.520	8.39	0.0100	0.033	50	20	100	200	100
		ARITH MEAN	0.520	8.39	0.0100	0.033	50<A	20<A	100<A	200<A	100<A
		GEOM MEAN									
		MINIMUM	0.520	8.39	0.0100	0.033	50	20	100	200	100
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1	1	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)									
*=INTERIM TEST-NAME:		RSF	RSP	TURB							
SAMPLE DATE	HOUR	SAMPLE	RESIDUE	RESIDUE	TURB'ITY						
YYMMDD	LMT	NUMBER	FILTERED	PARTIC.	FTU						
			MG/L	MG/L							
871105		9	374.0CRO	7.1	3.40						
		MAXIMUM	374.0	7.1	3.40						
		ARITH MEAN	374.0	7.1	3.40						
		GEOM MEAN									
		MINIMUM	374.0	7.1	3.40						
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1	1	1						
		% SAMP (EXCLUDED)									

## 108

STORET CODE: 02  
004  
0690

[illegible]

## 109

STORET CODE: 02  
004  
0690

	LAT: 44	14	20.23	LONG: 076	50	57.50	U T M: 18	0352325.0	4899860.0	4	REGION: 04	DISTANCE:	8.851
*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	CLIDUR	COND25	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N		
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	POTASSIM UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N		
871105		8	0101	238.1	27.00	565.0	2.330	0.036	0.085<T	0.0065	0.490		
		MAXIMUM		238.1	27.00	565.0	2.330	0.036	0.085	0.0065	0.490		
		ARITH MEAN		238.1	27.00	565.0	2.330	0.036	0.085<A	0.0065	0.490		
		GEOM MEAN											
		MINIMUM		238.1	27.00	565.0	2.330	0.036	0.085	0.0065	0.490		
		STD DEV (GEOM *)											
# SAMP IN STATISTICS	% SAMP (EXCLUDED)	1		1	1	1	1	1	1	1	1		
*=INTERIM	TEST-NAME:	PH	PP04FR PO4	PPUT PHOSPHOR	P3DICA	P3SILV	P324D	P324DB	P324DP	P3245T	RSF		
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	DICAMBA NG/L	SILVEX NG/L	2,4-D NG/L	2,4-DB NG/L	2,4-DP NG/L	2,4,5-T NG/L	RESIDUE FILTERED MG/L		
871105		8	8.36	0.0060	0.025	50<W	20<W	100<W	200<W	100<W	50<W	367.0	
		MAXIMUM	8.36	0.0060	0.025	50	20	100	200	100	50	367.0	
		ARITH MEAN	8.36	0.0060	0.025	50<A	20<A	100<A	200<A	100<A	50<A	367.0	
		GEOM MEAN											
		MINIMUM	8.36	0.0060	0.025	50	20	100	200	100	50	367.0	
		STD DEV (GEOM *)											
# SAMP IN STATISTICS	% SAMP (EXCLUDED)	1	1	1	1	1	1	1	1	1	1	1	
*=INTERIM	TEST-NAME:	RSP	TURB										
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	RESIDUE PARTIC. MG/L	TURB'ITY FTU									
871105		8	6.9	5.70									
		MAXIMUM	6.9	5.70									
		ARITH MEAN	6.9	5.70									
		GEOM MEAN											
		MINIMUM	6.9	5.70									
		STD DEV (GEOM *)											
# SAMP IN STATISTICS	% SAMP (EXCLUDED)	1		1									

B.O.W./ SITE: WILTON CREEK  
 SAMPLE POINT: UPSTREAM OF LANDFILL IN VIOLET SLF-1  
 STATION TYPE: RIVER

STATION ID: 17-0037-004-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: WILTON CREEK

STORET CODE: 02  
 004  
 0690

LAT: 44 15 50.81 LONG: 076 48 36.69 U T M: 18 0355510.0 4902585.0 4 REGION: 04 DISTANCE: 15.932

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	KKUR	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	MNTKUR K'DAHL N TOTAL UNF.REAC
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	POTASSIM UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N
871105		7	0.30	0101	234.7	26.10	559.0	2.380	0.014	0.055<T	0.0040<T
		MAXIMUM	0.30		234.7	26.10	559.0	2.380	0.014	0.055	0.0040
		ARITH MEAN	0.30		234.7	26.10	559.0	2.380	0.014	0.055<A	0.0040<A
		GEOM MEAN									
		MINIMUM	0.30		234.7	26.10	559.0	2.380	0.014	0.055	0.0040
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1		1	1	1	1	1	1	1
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		PH	PP04FR P04 FIL.REAC	PPUT PHOSPHOR UNF.TOT.	RSF RESIDUE FILTERED	RSP RESIDUE PARTIC.	TURB TURB'ITY FTU
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PH	MG/L AS P	MG/L AS P	MG/L	MG/L
871105		7	8.30	0.0065	0.028	363.0CRO	6.7
		MAXIMUM	8.30	0.0065	0.028	363.0	6.7
		ARITH MEAN	8.30	0.0065	0.028	363.0	6.7
		GEOM MEAN					
		MINIMUM	8.30	0.0065	0.028	363.0	6.7
		STD DEV (GEOM *)					
		# SAMP IN STATISTICS	1	1	1	1	1
		% SAMP (EXCLUDED)					

## 111

STORET CODE: 02  
004  
0690

* = INTERIM		TEST-NAME:	PH	PP04FR PO4	PPUT PHOSPHOR	RSF	RSP	TURB
SAMPLE DATE	HOUR	SAMPLE NUMBER	PH	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	TURB'ITY FTU
YYMMDD	LMT							
871105		2	8.05	0.0730	0.089	404.0CRO	5.2	2.70
		MAXIMUM	8.05	0.0730	0.089	404.0	5.2	2.70
		ARITH MEAN	8.05	0.0730	0.089	404.0	5.2	2.70
		GEOM MEAN						
		MINIMUM	8.05	0.0730	0.089	404.0	5.2	2.70
		STD DEV (GEOM *)						
#	SAMP	IN STATISTICS	1	1	1	1	1	1
%	SAMP	(EXCLUDED)						

B.O.W./ SITE: WILTON CREEK  
 SAMPLE POINT: AT DAM  
 STATION TYPE: RIVER

STATION ID: 17-0037-008-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: WILTON CREEK

STORET CODE: 02  
 004  
 0690

LAT: 44 19 30.06 LONG: 076 43 23.33 U T M: 18 0362600.0 4909200.0 4 REGION: 04

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
				ALK	CHLORIDE	CONDUCT.	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.REAC	25C	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	TOTAL
DATE	HR	DEPTH	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CACO3	AS CL-	AT 25 C	AS K	AS N	AS N	AS N	AS N
871105		3	0101	235.5	24.00	552.0	2.310	0.024	0.040	0.0035	0.480
		MAXIMUM		235.5	24.00	552.0	2.310	0.024	0.040	0.0035	0.480
		ARITH MEAN		235.5	24.00	552.0	2.310	0.024	0.040	0.0035	0.480
		GEOM MEAN									
		MINIMUM		235.5	24.00	552.0	2.310	0.024	0.040	0.0035	0.480
		STD DEV (GEOM *)									
		# SAMP IN STATISTICS	1	1	1	1	1	1	1	1	1
		% SAMP (EXCLUDED)									

*=INTERIM TEST-NAME:		PH	PP04FR	PPUT	RSF	RSP	TURB
			P04	PHOSPHOR	RESIDUE	RESIDUE	TURB'ITY
SAMPLE			FIL.REAC	UNF.TOT.	FILTERED	PARTIC.	FTU
DATE	HR		MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	PH	AS P	AS P			
871105		3	0.0110	0.029	359.0CRO	4.2	1.10
		MAXIMUM	0.0110	0.029	359.0	4.2	1.10
		ARITH MEAN	0.0110	0.029	359.0	4.2	1.10
		GEOM MEAN					
		MINIMUM	0.0110	0.029	359.0	4.2	1.10
		STD DEV (GEOM *)					
		# SAMP IN STATISTICS	1	1	1	1	1
		% SAMP (EXCLUDED)					

## 113

**STATION ID: 17-0037-009-02**

**STORET CODE: 02**  
**004**  
**0690**

LAT: 44 18 13.20 LONG: 076 45 54.53 U T M: 18 0359200.0 4906900.0 4 REGION: 04

*INTERIM		TEST-NAME:	PH	PP04FR P04	PPUT PHOSPHOR	RSF	RSP	TURB
SAMPLE DATE	HOURL YMMDD LMT	SAMPLE NUMBER	PH	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	TURB'ITY FTU
871105		5	8.28	0.0010<T	0.012	295.0CRO	5.4	2.10
		MAXIMUM	8.28	0.0010	0.012	295.0	5.4	2.10
		ARITH MEAN	8.28	0.0010<A	0.012	295.0	5.4	2.10
		GEOM MEAN						
		MINIMUM	8.28	0.0010	0.012	295.0	5.4	2.10
		STD DEV (GEOM *)						
# SAMP	IN STATISTICS		1	1	1	1	1	1
% SAMP	(EXCLUDED)							



B.O.W./ SITE: WILTON CREEK  
 SAMPLE POINT: AT BRIDGE SOUTH OF THORPE  
 STATION TYPE: RIVER

STATION ID: 17-0037-010-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: LAKE ONTARIO  
 TERM STREAM: WILTON CREEK

STORET CODE: 02  
 004  
 0690

LAT: 44 17 58.80 LONG: 076 45 42.82 U T M: 18 0359450.0 4906450.0 4 REGION: 04

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	CLIDUR	COND25	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
				ALK	CHLORIDE	CONDUCT.	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N
SAMPLE	DATE	DEPTH	PROJECT	TOTAL	UNF.REAC	25C	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	TOTAL
YYMMDD	HOUR	M	SUB-PROJ	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	MG/L	MG/L
LMT	NUMBER		CODE	AS CAC03	AS CL-	AT 25 C	AS K	AS N	AS N	AS N	AS N
871105	4	0.30	0101	234.5	24.30	549.0	2.400	0.018	0.030<T	0.0035<T	0.420
	MAXIMUM	0.30		234.5	24.30	549.0	2.400	0.018	0.030	0.0035	0.420
	ARITH MEAN	0.30		234.5	24.30	549.0	2.400	0.018	0.030<A	0.0035<A	0.420
	GEOM MEAN										
	MINIMUM	0.30		234.5	24.30	549.0	2.400	0.018	0.030	0.0035	0.420
	STD DEV (GEOM *)										
	# SAMP IN STATISTICS	1		1	1	1	1	1	1	1	1
	% SAMP (EXCLUDED)										
*=INTERIM TEST-NAME:		PH	PP04FR	RSF	RSP	TURB					
			P04								
SAMPLE	DATE	PH	FIL.REAC	RESIDUE	RESIDUE	TURB'ITY					
YYMMDD	HOUR		MG/L	FILTERED	PARTIC.	FTU					
LMT	NUMBER		AS P	MG/L	MG/L						
871105	4	8.29	0.0085	334.0	4.5	4.40					
	MAXIMUM	8.29	0.0085	334.0	4.5	4.40					
	ARITH MEAN	8.29	0.0085	334.0	4.5	4.40					
	GEOM MEAN										
	MINIMUM	8.29	0.0085	334.0	4.5	4.40					
	STD DEV (GEOM *)										
	# SAMP IN STATISTICS	1	1	1	1	1					
	% SAMP (EXCLUDED)										

## 115

STATION ID: 17-0037-011-02

STORET CODE: 02  
004  
0690

LAT: 44 16 41.06 LONG: 076 47 24.25 U T M: 18 0357150.0 4904100.0 4 REGION: 04

*INTERIM		TEST-NAME:	PH	PP04FR PO4	PPUT PHOSPHOR	RSF	RSP	TURB
SAMPLE DATE	HOUR	SAMPLE NUMBER	PH	FIL.REAC MG/L AS P	UNF.TOT. MG/L AS P	RESIDUE FILTERED MG/L	RESIDUE PARTIC. MG/L	TURB'ITY FTU
YYMMDD	LMT							
871105		6	8.36	0.0045	0.022	350.0CRO	4.6	3.30
		MAXIMUM	8.36	0.0045	0.022	350.0	4.6	3.30
		ARITH MEAN	8.36	0.0045	0.022	350.0	4.6	3.30
		GEOM MEAN						
		MINIMUM	8.36	0.0045	0.022	350.0	4.6	3.30
		STD DEV (GEOM *)						
# SAMP	IN STATISTICS		1	1	1	1	1	1
% SAMP	(EXCLUDED)							

B.O.W./ SITE: OTTAWA RIVER  
 SAMPLE POINT: CHANNEL 1 AND 2 HAWKESBURY  
 STATION TYPE: RIVER COMPOSITE

STATION ID: 18-0000-051-82

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER

STORET CODE: 02  
 006

LAT: 45 36 47.33 LONG: 074 36 19.11 U T M: 18 0530775.0 5050925.0 4 REGION: 04 DISTANCE: 109.432

*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5 BOD 5 DAY	CAUR	CDUT	CLIDUR	COND25
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	TOT.DEM. MG/L AS O	CALCIUM UNF.REAC MG/L AS CA	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C
870624	1100	25386	0.30	0101	34.7	0.210	0.001<	NO DATA SD	12.00	0.0003	3.75	103.9
870824	1045	25388	0.30	0101	25.0	0.240	0.001<	1.1	8.00	0.0003<	3.45	83.7
870928	0930	25390	0.30	0101	27.1	0.200	0.001<	NO DATA CR	9.20	0.0003<	5.00	97.1
871104	1030	25392	0.30	0101	38.9	0.300	0.001<	1.1	13.50	0.0003<	6.60	128.8
MAXIMUM			0.30		38.9	0.300		1.1	13.50	0.0003	6.60	128.8
ARITH MEAN			0.30		31.4	0.237		1.1	10.67	0.0003	4.70	103.4
GEOM MEAN					30.9	0.235		1.1	10.45		4.55	102.1
MINIMUM			0.30		25.0	0.200		1.1	8.00	0.0003	3.45	83.7
STD DEV (GEOM *)					6.5	0.045		0.0	2.52		1.43	18.9
# SAMP IN STATISTICS			4		4	4		2	4	1	4	4
% SAMP (EXCLUDED)										75		

*=INTERIM		TEST-NAME:	CRUT	CUUT	DO	DOC CARBON DISOLVED	FCMF FECAL COLIFORM	FEUT	FSMF FECAL STREPCUS	FWTEMP	HGUT	IONCAL
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	DISOLVED ORGANIC MG/L AS C	IRON UNF.TOT. MG/L AS FE	IRON UNF.TOT. MG/L AS FE	IRON UNF.TOT. MG/L AS FE	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	ION BALANCE CALC.
870624	1100	25386	0.001<	0.007	10.80	6.0	158	0.290	10	22.0	0.01	PORTED
870824	1045	25388	0.002	0.002	9.80	5.6	0.310			20.0	0.01	2.507
870928	0930	25390	0.002	0.002	10.60	5.9	0.210			15.0	0.01	1.572
871104	1030	25392	0.002	0.002	10.00	6.6	0.330			7.0	0.01	0.1078
MAXIMUM			0.002	0.007	10.80	6.6	158	0.330	10	22.0	0.01	2.507
ARITH MEAN			0.002	0.003	10.30	6.0	158	0.285	10	16.0	0.01	1.396
GEOM MEAN				0.003	10.29	6.0		0.281		14.7	0.01	0.752
MINIMUM			0.002	0.002	9.80	5.6	158	0.210	10	7.0	0.01	0.1078
STD DEV (GEOM *)				0.002	0.48	0.4		0.053		6.7	0.00	1.209
# SAMP IN STATISTICS			3	4	4	4	1	4	1	4	4	3
% SAMP (EXCLUDED)			25									

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

117

B.O.W./ SITE: OTTAWA RIVER  
 SAMPLE POINT: CHANNEL 1 AND 2 HAWKESBURY  
 STATION TYPE: RIVER COMPOSITE

STATION ID: 18-0000-051-82

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER

STORET CODE: 02  
 006

LAT: 45 36 47.33 LONG: 074 36 19.11

U T M: 18 0530775.0 5050925.0 4

REGION: 04

DISTANCE: 109.432

*=INTERIM	TEST-NAME:	KKUR	MGUR	MNUT	NAUR	NIUT	NNHTFR NH3-N	NNOTFR	MNO2FR	NNTKUR K'DAHL N	PBUT	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	POTASSIM UNF.REAC MG/L AS K	MAGNESIM FIL.REAC MG/L AS MG	MANGANSE UNF.TOT. MG/L AS MN	SODIUM UNF.REAC MG/L AS NA	NICKEL UNF.TOT. MG/L AS NI	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB
870624	1100	25386	0.950	2.620	0.026	3.98	0.002<	0.066	0.165	0.0115	0.400	0.003<
870824	1045	25388	0.940	1.980	0.023	3.80	0.010	0.086	0.120	0.0055	0.380	0.003<
870928	0930	25390	1.060	2.120	0.017	4.96	0.001<	0.086	0.220	0.0180	0.470	0.003<
871104	1030	25392	1.330	3.160	0.013	6.30	0.001	0.078	0.255	0.0075	0.430	0.003<

MAXIMUM	1.330	3.160	0.026	6.30	0.010	0.086	0.255	0.0180	0.470
ARITH MEAN	1.070	2.470	0.020	4.76	0.005	0.079	0.190	0.0106	0.420
GEOM MEAN	1.059	2.428	0.019	4.66		0.079	0.183	0.0096	0.419
MINIMUM	0.940	1.980	0.013	3.80	0.001	0.066	0.120	0.0055	0.380
STD DEV (GEOM *)	0.182	0.536	0.006	1.15		0.009	0.060	0.0055	0.039
# SAMP IN STATISTICS	4	4	4	4	2	4	4	4	4
% SAMP (EXCLUDED)					50				

*=INTERIM	TEST-NAME:	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	SEUT SELENIUM UNF.TOT. MG/L AS SE	SS04UR SULPHATE UNF.REAC MG/L AS SO4	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
870624	1100	25386	7.66	0.083	0.001<	8.90	3.80	0.360
870824	1045	25388	7.66	0.097	0.001<	8.20	5.40	0.130
870928	0930	25390	7.58	0.4<T	0.085	0.001<	9.50	0.150
871104	1030	25392	7.69	0.2<T	0.049	0.001<	12.80	0.005
MAXIMUM	7.69	0.4	0.097	12.80	5.40	0.360		
ARITH MEAN	7.65	0.3<A	0.078	9.85	4.40	0.161		
GEOM MEAN	7.65	0.3<A	0.076	9.71	4.30	0.077		
MINIMUM	7.58	0.2	0.049	8.20	3.20	0.005		
STD DEV (GEOM *)	0.05	0.1<A	0.021	2.04	1.07	0.147		
# SAMP IN STATISTICS	4	2	4	4	4	4		
% SAMP (EXCLUDED)								

## 118

STORET CODE: 02  
006

**DISTANCE: 109.432**

[illegible]

( C O N T D )

B.O.W./ SITE: OTTAWA RIVER  
 SAMPLE POINT: PERLEY BRIDGE, HAMKESBURY MAIN CHANNEL  
 STATION TYPE: RIVER COMPOSITE

STATION ID: 18-0000-078-83

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER

STORET CODE: 02  
 006

LAT: 45 37 05.89 LONG: 074 35 58.21

U T M: 18 0531225.0 5051500.0 4

REGION: 04

DISTANCE: 109.432

*=INTERIM		TEST-NAME:	KKUR	MGUR	MNUT	NAUR	NIUT	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
			POTASSIM	MAGNESIM	MANGANSE	SODIUM	NICKEL	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
			UNF.REAC	FIL.REAC	UNF.TOT.	UNF.REAC	UNF.TOT.	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
			MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
			AS K	AS MG	AS MN	AS NA	AS NI	AS N	AS N	AS N	AS N	AS PB
SAMPLE	DATE	HOUR	SAMPLE									
YYMMDD	LMT	NUMBER										
870624	1110	25387	0.920	2.580	0.023	3.74	0.002	0.082	0.135	0.0075	0.520	0.003<
870824	1100	25389	0.920	1.920	0.035	3.80	0.002	0.078	0.135	0.0075	0.475	0.003<
870928	0950	25391	1.030	2.040	0.016	5.22	0.001	0.090	0.170	0.0165	0.470	0.003<
871104	1045	25393	1.190	2.540	0.011	5.24	0.001	0.088	0.225	0.0075	0.470	0.003<
MAXIMUM			1.190	2.580	0.035	5.24	0.002	0.090	0.225	0.0165	0.520	
ARITH MEAN			1.015	2.270	0.021	4.50	0.001	0.084	0.166	0.0097	0.484	
GEOM MEAN			1.009	2.251	0.019	4.44	0.001	0.084	0.162	0.0091	0.483	
MINIMUM			0.920	1.920	0.011	3.74	0.001	0.078	0.135	0.0075	0.470	
STD DEV (GEOM *)			0.128	0.339	0.010	0.84	0.001	0.006	0.042	0.0045	0.024	
# SAMP IN STATISTICS			4	4	4	4	4	4	4	4	4	
% SAMP (EXCLUDED)												

*=INTERIM		TEST-NAME:	PH	PHNOL	PPUT	SEUT	SS04UR	TURB	ZNUT
				PHENOLS	PHOSPHOR	SELENIUM	SULPHATE		ZINC
				UNF-REAC	UNF.TOT.	UNF.TOT.	UNF.REAC		UNF.TOT.
				UG/L	MG/L	MG/L	MG/L		MG/L
				PHENOL	AS P	AS SE	AS SO4	TURB'ITY	AS ZN
			PH					FTU	
SAMPLE	DATE	HOUR	SAMPLE						
YYMMDD	LMT	NUMBER							
870624	1110	25387	7.69		0.128	0.001<	8.80	3.50	0.250
870824	1100	25389	7.77		0.143	0.001<	8.20	8.00	0.031
870928	0950	25391	7.69	0.4<T	0.113	0.001<	9.30	3.90	0.034
871104	1045	25393	7.58	0.2<T	0.074	0.001<	11.20	2.30	0.007
MAXIMUM			7.77	0.4	0.143		11.20	8.00	0.250
ARITH MEAN			7.68	0.3<A	0.114		9.37	4.42	0.080
GEOM MEAN			7.68	0.3<A	0.111		9.31	3.98	0.037
MINIMUM			7.58	0.2	0.074		8.20	2.30	0.007
STD DEV (GEOM *)			0.08	0.1<A	0.030		1.30	2.48	0.114
# SAMP IN STATISTICS			4	2	4		4	4	4
% SAMP (EXCLUDED)									

B.O.W./ SITE: OTTAWA RIVER  
 SAMPLE POINT: AT CHATS FALLS 900' FROM P/Q SHORE  
 STATION TYPE: RIVER FLOW GAUGE FED 02KF009

STATION ID: 18-0000-170-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER

STORET CODE: 02  
 006

LAT: 45 28 26.47 LONG: 076 14 52.81

U T M: 18 0402450.0 5036150.0 4

REGION: 04

DISTANCE: 263.281

*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CDUT	CLIDUR	COND25
					ALK	ALUMINUM	ARSENIC	BOD	CALCIUM	CADMIUM	CHLORIDE	CONDUCT.
SAMPLE			SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	5 DAY	UNF.REAC	UNF.TOT.	UNF.REAC	25C
DATE	HR	SAMPLE	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	TOT.DEM.	MG/L	MG/L	MG/L	UMHO/CM
YYMMDD	LMT	NUMBER	M	CODE	AS CAC03	AS AL	AS AS	AS O	AS CA	AS CD	AS CL-	AT 25 C
870302	1300	16553	0.30	0101	31.4	0.230	0.001<	0.7<T	11.30	0.0003	2.55	91.9
870331	1245	16566	0.30	0101	52.0	0.370	0.001<	0.5<T	17.50	0.0003<	4.30	137.0
870609	1055	16579	0.30	0101	31.9	NO DATA SM	NO DATA SM	0.9<T	11.00	NO DATA SM	2.60	91.8
870831	1650	16605	0.30	0101	20.4	NO DATA NR	NO DATA NR	5.0<W	7.20	NO DATA NR	2.35	72.5
871027	1030	16618	0.30	0101	25.6	0.160	0.001<	0.2<T	9.20	0.0003<	2.80	84.7
871117	1000	16631	0.30	0101	23.8	0.100	0.001<	0.5<T	9.30	0.0003<	2.60	80.9
871215	1120	16644	0.30	0101	36.9	0.160	0.001<	0.7<T	13.60	0.0003<	3.30	109.0
MAXIMUM			0.30		52.0	0.370		5.0	17.50	0.0003	4.30	137.0
ARITH MEAN			0.30		31.7	0.204		1.2<A	11.30	0.0003	2.93	95.4
GEOM MEAN					30.4	0.185		0.7<A	10.90		2.87	93.5
MINIMUM			0.30		20.4	0.100		0.2	7.20	0.0003	2.35	72.5
STD DEV (GEOM *)					10.5	0.104		1.7<A	3.39		0.67	21.6
# SAMP IN STATISTICS			7		7	5		7	7	1	7	7
% SAMP (EXCLUDED)										80		

*=INTERIM		TEST-NAME:	CRUT	CUUT	DO	DOC	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	IONCAL
			CHROMIUM	COPPER	DISOLVED	DISOLVED	IRON	STREAM			MERCURY	ION
SAMPLE			UNF.TOT.	UNF.TOT.	OXYGEN	CARBON	UNF.TOT.	FLOW		WATER	UNF.TOT.	BALANCE
DATE	HR	SAMPLE	MG/L	MG/L	MG/L	MG/L	MG/L	M3		TEMP	UG/L	CALC.
YYMMDD	LMT	NUMBER	AS CR	AS CU	AS O	AS C	AS FE	/S	STREAM	DEG.C	AS HG	
870302	1300	16553	0.002	0.001	12.40	6.5	0.220	784.000	4	1.0		NE YET
870331	1245	16566	0.001	0.003	12.40	6.1	0.400	1880.00	8	1.0		NE YET
870609	1055	16579	NO DATA SM	NO DATA SM	8.60	6.7	NO DATA SM	444.000	8	21.0	0.04	PORTED
870831	1650	16605	NO DATA NR	NO DATA NR	8.40	5.9	NO DATA NR	385.000	8	20.5	0.05	6.828
871027	1030	16618	0.001<	0.001	11.00	6.9	0.190	453.000	8		NO DATA SS	2.067
871117	1000	16631	0.001	0.001	11.80	6.8	0.150	573.000	8	5.0	0.02	7.230
871215	1120	16644	0.001<	0.002	13.40	6.8	0.170	953.000	8	1.5	0.01<	7.244
MAXIMUM			0.002	0.003	13.40	6.9	0.400	1880.00		21.0	0.05	7.244
ARITH MEAN			0.001	0.002	11.14	6.5	0.226	781.714		8.3	0.04	5.842
GEOM MEAN				0.001	10.99	6.5	0.212	672.681		3.8		5.214
MINIMUM			0.001	0.001	8.40	5.9	0.150	385.000		1.0	0.02	2.067
STD DEV (GEOM *)				0.001	1.94	0.4	0.101	525.773		9.7		2.524
# SAMP IN STATISTICS			3	5	7	7	5	7		6	3	4
% SAMP (EXCLUDED)			40								25	

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

121

B.O.W./ SITE: OTTAWA RIVER  
 SAMPLE POINT: AT CHATS FALLS 900' FROM P/Q SHORE  
 STATION TYPE: RIVER FLOW GAUGE FED 02KF009

STATION ID: 18-0000-170-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER

STORET CODE: 02  
 006

LAT: 45 28 26.47 LONG: 076 14 52.81

U T M: 18 0402450.0 5036150.0 4

REGION: 04

DISTANCE: 263.281

*INTERIM TEST-NAME:		KKUR	MGUR	MNUT	NAUR	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNTKUR K'DAHL N TOTAL	PBUT LEAD
SAMPLE DATE	HR LMT	SAMPLE NUMBER	POTASSIM UNF.REAC MG/L AS K	MAGNESIM FIL.REAC MG/L AS MG	MANGANSE UNF.TOT. MG/L AS MN	SODIUM UNF.REAC MG/L AS NA	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N
870302	1300	16553	0.920	2.710	0.010	2.68	0.002<	0.054	0.225	0.0075	0.290
870331	1245	16566	1.270	3.940	0.020	3.12	0.002<	0.056	0.340	0.0080	0.350
870609	1055	16579	0.880	2.540	NO DATA SM	2.80	NO DATA SM	0.082	0.155	0.0135	0.300
870831	1650	16605	0.760	1.860	NO DATA NR	2.74	NO DATA NR	0.034	0.130	0.0060	0.320
871027	1030	16618	0.900	2.140	0.014	3.20	0.001	0.028	0.235	0.0035<T	0.310
871117	1000	16631	0.880	2.100	0.013	2.98	0.003	0.020	0.240	0.0055	0.320
871215	1120	16644	0.960	3.020	0.012	3.44	0.001	0.008<T	0.300	0.0045<T	0.320
MAXIMUM			1.270	3.940	0.020	3.44	0.003	0.082	0.340	0.0135	0.350
ARITH MEAN			0.939	2.616	0.014	2.99	0.002	0.040<A	0.232	0.0069<A	0.316
GEOM MEAN			0.928	2.541	0.013	2.98		0.032<A	0.221	0.0064<A	0.315
MINIMUM			0.760	1.860	0.010	2.68	0.001	0.008	0.130	0.0035	0.290
STD DEV (GEOM *)			0.159	0.707	0.004	0.28		0.025<A	0.074	0.0033<A	0.019
# SAMP IN STATISTICS			7	7	5	7	3	7	7	7	7
% SAMP (EXCLUDED)							40				

*INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	SEUT SELENIUM UNF.TOT. MG/L AS SE	SSO4UR SULPHATE UNF.REAC MG/L AS SO4	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
870302	1300	16553	7.62		0.033	0.001<	9.09	0.006
870331	1245	16566	7.98		0.031	0.001<	6.70	0.005
870609	1055	16579	7.77		0.015	NO DATA SM	8.40	NO DATA SM
870831	1650	16605	7.57	0.2<W	0.058	NO DATA NR	10.30	NO DATA NR
871027	1030	16618	7.63		0.030	0.001<	10.00	0.002<
871117	1000	16631	7.59		0.017	0.001<	8.20	0.004
871215	1120	16644	7.88	0.8<T	0.026	0.001<	8.40	0.004
MAXIMUM			7.98	0.8	0.058		10.30	0.006
ARITH MEAN			7.72	0.5<A	0.030		8.73	0.005
GEOM MEAN			7.72	0.4<A	0.027		8.65	2.81
MINIMUM			7.57	0.2	0.015		6.70	1.60
STD DEV (GEOM *)			0.16	0.4<A	0.014		1.21	2.37
# SAMP IN STATISTICS			7	2	7		7	4
% SAMP (EXCLUDED)								20



B.O.W./ SITE: OTTAWA RIVER  
 SAMPLE POINT: AT CHENAUX DAM 800' FROM P/Q SHORE  
 STATION TYPE: RIVER

STATION ID: 18-0000-240-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER

STORET CODE: 02  
 006

LAT: 45 35 35.60 LONG: 076 40 27.70

U T M: 18 0369400.0 5049999.0 4

REGION: 04

DISTANCE: 303.514

*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CDUT	CLIDUR	COND25
					ALK	ALUMINUM	ARSENIC	BOD	CALCIUM	CADMIUM	CHLORIDE	CONDUCT.
					TOTAL	UNF.TOT.	UNF.TOT.	5 DAY	UNF.REAC	UNF.TOT.	UNF.REAC	25C
SAMPLE	DATE	DATE	SAMPLE	PROJECT	MG/L	MG/L	MG/L	TOT.DEM.	MG/L	MG/L	MG/L	UMHO/CM
YMMDD	LMT	NUMBER	DEPTH	SUB-PROJ	AS	AS AL	AS AS	AS O	AS CA	AS CD	AS CL-	AT 25 C
			M	CODE	CAC03							
870429	1100	25415	0.30	0101	17.0	0.230	0.001<	1.3	6.74	0.0003<	1.45	63.8
870526	1000	25417	0.30	0101	21.9	0.160	0.001<	NO DATA SD	7.80	0.0003<	2.40	73.8
870629	0830	25419	0.30	0101	20.1	0.120	0.001<	0.9<T	7.20	0.0003<	2.50	69.4
870728	1030	25421	0.30	0101	17.9	NO DATA RE	0.001<	0.6	6.50	NO DATA RE	2.10	64.4
870825	1100	25423	0.30	0101	17.5	NO DATA BT	0.001<	0.2<T	5.70	NO DATA BT	2.00	64.2
870928	1100	25425	0.30	0101	15.8	0.110	0.001<	0.3<T	5.80	0.0003<	1.80	67.4
871201	1000	25428	0.30	0101	17.4	0.110	0.001<	1.2	7.20	0.0003<	2.60	70.4
MAXIMUM			0.30		21.9	0.230		1.3	7.80		2.60	73.8
ARITH MEAN			0.30		18.2	0.146		0.7<A	6.71		2.12	67.6
GEOM MEAN					18.1	0.140		0.6<A	6.67		2.08	67.5
MINIMUM			0.30		15.8	0.110		0.2	5.70		1.45	63.8
STD DEV (GEOM *)					2.1	0.051		0.5<A	0.77		0.41	3.8
# SAMP IN STATISTICS			7		7	5		6	7		7	7
% SAMP (EXCLUDED)												

*=INTERIM		TEST-NAME:	CRUT	CUUT	DO	DOC	FCMF	FEUT	FSMF	FWSTRC	FWTEMP	HGUT
			CHROMIUM	COPPER	DISOLVED	CARBON	FECAL	IRON	FECAL			MERCURY
			UNF.TOT.	UNF.TOT.	OXYGEN	DISOLVED	COLIFORM	UNF.TOT.	STREPCUS		WATER	UNF.TOT.
SAMPLE	DATE	DATE	MG/L	MG/L	MG/L	ORGANIC	MF	MG/L	MF		TEMP	UG/L
YMMDD	LMT	NUMBER	AS CR	AS CU	AS O	AS C	CNT	AS FE	CNT	STREAM	DEG.C	AS HG
							/100ML		/100ML	COND.		
870429	1100	25415	0.001<	0.001<W		7.0		0.260			12.0	0.02
870526	1000	25417	0.001<	0.003	10.00	6.4	10	0.210	2<	8	15.0	0.01
870629	0830	25419	0.001<	0.003	8.40	6.8		0.190		8	22.0	0.01
870728	1030	25421	NO DATA RE	NO DATA RE	8.50	6.7		NO DATA RE		8	25.0	NO DATA SS
870825	1100	25423	NO DATA BT	NO DATA BT	11.00	6.0		NO DATA BT		8	22.0	0.04
870928	1100	25425	0.001	0.002	10.00	6.6		0.140		8		0.01
871201	1000	25428	0.001	0.028	12.00	7.4	62	0.140	0	8	1.0	0.01
MAXIMUM			0.001	0.028	12.00	7.4	62	0.260	0		25.0	0.04
ARITH MEAN			0.001	0.007<A	9.98	6.7	36	0.188	0		16.2	0.02
GEOM MEAN				0.003<A	9.90	6.7	25	0.183			11.4	0.01
MINIMUM			0.001	0.001	8.40	6.0	10	0.140	0		1.0	0.01
STD DEV (GEOM *)				0.012<A	1.40	0.4	4*	0.051			8.9	0.01
# SAMP IN STATISTICS			2	5	6	7	2	5	1		6	6
% SAMP (EXCLUDED)			60						50			

( C O N T D )

## 123

STATION ID: 18-0000-240-02

STORET CODE: 02  
006

**DISTANCE: 303.514**

[illegible]

B.O.W./ SITE: KEMPTVILLE CREEK  
 SAMPLE POINT: HIGHWAY 43, KEMPTVILLE  
 STATION TYPE: RIVER FLOW GAUGE FED 02LA006

STATION ID: 18-0033-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 02 10.16 LONG: 075 38 30.33

U T M: 18 0449450.0 4986950.0 4

REGION: 04

DISTANCE: 56.165

**=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870210	1250	28016	0101	259.4	1.0<T	0.0003<	17.90	527.0	0.004	0.001	8.00
870316	1215	28026	0101	238.7	0.7	0.0002<	11.60	472.0	0.001<	0.001<	7.20
870413	1230	28036	0101	155.4	1.3	0.0003<	6.80	316.0	0.001	0.001	9.20
870609	1150	28056	0101	209.2	1.0	NO DATA SM	16.00	440.0	NO DATA SM	NO DATA SM	7.80
870721	1310	28066	0101	202.4	1.0<T	NO DATA BT	17.75	424.0	NO DATA BT	NO DATA BT	8.80
870824	1205	28076	0101	213.8	3.6	NO DATA SM	41.25	536.0	NO DATA SM	NO DATA SM	9.40
870921	1200	28086	0101	221.1	3.2	NO DATA IS	61.00	654.0	NO DATA IS	NO DATA IS	1.80
871123	1155	28106	0101	191.9	1.2	NO DATA BT	13.80	445.0	NO DATA BT	NO DATA BT	14.00
871214	1300	28116	0101	137.5	0.4<T	0.0003<	7.80	327.0	0.002	0.001	13.00

MAXIMUM	0.30	259.4	3.6	61.00	654.0	0.004	0.001	14.00
ARITH MEAN	0.30	203.3	1.5<A	21.54	460.1	0.002	0.001	8.80
GEOM MEAN		199.8	1.2<A	16.83	449.4			7.84
MINIMUM	0.30	137.5	0.4	6.80	316.0	0.001	0.001	1.80
STD DEV (GEOM *)		38.1	1.1<A	17.92	105.1			3.51
# SAMP IN STATISTICS	9	9	9	9	9	3	3	9
% SAMP (EXCLUDED)						25	25	

**=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
		IRON	STREAM			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N
SAMPLE		UNF.TOT.	FLOW		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	UNF.REAC
DATE	HOUR	MG/L	M3	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE	/S	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N
870210	1250	28016	0.500	1.710	4 8	0.02	2.080	0.252	0.270	0.0085	0.550
870316	1215	28026	0.140	3.880	4 8	NO DATA SS	2.110	0.136	0.170	0.0075	0.640
870413	1230	28036	0.130	12.500	8		1.330	0.060	0.155	0.0135	0.430
870609	1150	28056	NO DATA SM	1.810	5 9		2.720	0.438	0.640	0.1370	1.500
870721	1310	28066	NO DATA BT	0.203	5 7	0.02	2.120	0.168	0.250	0.0360	0.900
870824	1205	28076	NO DATA SM	0.032	5 7	0.02	4.460	0.498	0.205	0.0590	2.000
870921	1200	28086	NO DATA IS	0.128	5 7	0.03	10.400	2.690	0.335	0.1690	4.000
871123	1155	28106	NO DATA BT	2.610	7	0.02	2.180	0.088	0.240	0.0135	0.850
871214	1300	28116	0.086	14.400	8	0.02	1.250	0.028	0.310	0.0045<T	0.660

MAXIMUM	0.500	14.400	25.5	0.03	10.400	2.690	0.640	0.1690	4.000
ARITH MEAN	0.214	4.141	11.2	0.02	3.183	0.484	0.286	0.0498<A	1.281
GEOM MEAN	0.167	1.187	5.4	0.02	2.530	0.199	0.262	0.0239<A	0.990
MINIMUM	0.086	0.032	0.5	0.02	1.250	0.028	0.155	0.0045	0.430
STD DEV (GEOM *)	0.192	5.447	9.4	0.00	2.864	0.843	0.145	0.0615<A	1.137
# SAMP IN STATISTICS	4	9	8	6	9	9	9	9	9
% SAMP (EXCLUDED)									

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

125

B.O.W./ SITE: KEMPTVILLE CREEK  
 SAMPLE POINT: HIGHWAY 43, KEMPTVILLE  
 STATION TYPE: RIVER FLOW GAUGE FED 02LA006

STATION ID: 18-0033-003-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 02 10.16 LONG: 075 38 30.33

U T M: 18 0449450.0 4986950.0 4

REGION: 04

DISTANCE: 56.165

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT
		LEAD		PHENOLS	PHOSPHOR		ZINC
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HR	MG/L		UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN
870210	1250	28016 0.003<	7.99		0.028	8.30	0.013
870316	1215	28026 0.003<	7.73		0.034	5.30	0.005
870413	1230	28036 0.003<	8.16		0.030	1.86	0.012
870609	1150	28056 NO DATA SM	8.23		0.180	8.00	NO DATA SM
870721	1310	28066 NO DATA BT	8.48		0.069	1.39	NO DATA BT
870824	1205	28076 NO DATA SM	8.34	0.2<T	0.430	3.90	NO DATA SM
870921	1200	28086 NO DATA IS	8.09	0.2<W	0.770	1.95	NO DATA IS
871123	1155	28106 NO DATA BT	8.18	0.2<T	0.031	2.70	NO DATA BT
871214	1300	28116 0.003<	8.00	NO DATA NR	0.022	2.10	0.004
MAXIMUM			8.48	0.2	0.770	8.30	0.013
ARITH MEAN			8.13	0.2<A	0.177	3.94	0.008
GEOM MEAN			8.13	0.2<A	0.076	3.24	0.007
MINIMUM			7.73	0.2	0.022	1.39	0.004
STD DEV (GEOM *)			0.22	0.0<A	0.259	2.67	0.005
# SAMP IN STATISTICS			9	3	9	9	4
% SAMP (EXCLUDED)							

STORET CODE: 02  
006  
1710

**DISTANCE: 114.099**

*INTERIM		TEST-NAME:	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR NH3-N	NNOTFR	NNO2FR	NNTKUR K'DAHL N	PBUT
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	IRON	STREAM COND.	WATER TEMP DEG.C	MERCURY	POTASSIM	TOTAL	NO2+NO3N	NO2-N	TOTAL	LEAD
			UNF.TOT. MG/L AS FE			UNF.TOT. UG/L AS HG	UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB
870210	1645	28019	0.079	4 0		0.02	1.560	0.204	0.115	0.0060	0.500	0.003<
870316	1540	28029	0.320	4 8	0.5	0.01	1.890	0.424	0.150	0.0065	0.910	0.003<
870413	1440	28039	NO DATA RE	8	12.5		1.550	0.106	0.040<T	0.0110	0.440	NO DATA RE
870609	1455	28059	NO DATA SM	5	16.0		1.110	0.010	0.230	0.1200	0.550	NO DATA SM
870721	1515	28069	NO DATA BT	5 7	25.0	0.02	1.130	0.048	0.025<T	0.0055	0.500	NO DATA BT
870824	1420	28079	NO DATA SM	5 7	18.5	0.02	NO DATA LD	NO DATA LD	NO DATA LD	NO DATA LD	0.420	NO DATA SM
870921	1340	28089	0.440	5 7	14.5	0.03	1.450	0.166	0.085<T	0.0155	0.880	0.003<
871123	1335	28109	0.610	4	0.5	0.04	2.210	0.160	0.120	0.0150	1.680	0.005
871214	1445	28119	0.091	8	2.0	0.01	1.600	0.088	0.125	0.0050	0.630	0.005

( C O N T D )

B.O.W./ SITE: TAY RIVER

STATION ID: 18-0033-008-02

SAMPLE POINT: 1 MILE DOWNSTREAM FROM PERTH LAGOONS

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: OTTAWA RIVER

006

TERM STREAM: RIDEAU RIVER

1710

LAT: 44 53 34.96 LONG: 076 11 52.84

U T M: 18 0405400.0 4971550.0 4

REGION: 04

DISTANCE: 114.099

*INTERIM TEST-NAME:		PH	PHNOL	PPUT	TURB	ZNUT
			PHENOLS	PHOSPHOR		ZINC
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HOUR	SAMPLE	UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	NUMBER	PHENOL	AS P	FTU	AS ZN
870210	1645	28019	7.84	0.016	1.60	0.021
870316	1540	28029	7.84	0.037	2.40	0.011
870413	1440	28039	8.00	0.030	2.10	NO DATA RE
870609	1455	28059	7.99	0.037	3.00	NO DATA SM
870721	1515	28069	8.03	0.083	1.66	NO DATA BT
870824	1420	28079	NO DATA LD	0.002<W	NO DATA LD	NO DATA SM
870921	1340	28089	7.89	0.215	7.60	0.014
871123	1335	28109	7.89	0.122	22.00	0.015
871214	1445	28119	7.81	0.025	3.40	0.012
MAXIMUM		8.03	0.8	0.215	22.00	0.021
ARITH MEAN		7.91	0.4<A	0.063<A	5.47	0.015
GEOM MEAN		7.91	0.3<A	0.035<A	3.51	0.014
MINIMUM		7.81	0.2	0.002	1.60	0.011
STD DEV (GEOM *)		0.08	0.3<A	0.068<A	6.95	0.004
# SAMP IN STATISTICS		8	5	9	8	5
% SAMP (EXCLUDED)						

B.O.W./ SITE: TAY RIVER  
 SAMPLE POINT: AT DAM IN BOLINGBROKE  
 STATION TYPE: RIVER

STATION ID: 18-0033-023-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 44 45 36.11 LONG: 076 31 11.91 U T M: 18 0379700.0 4957200.0 4 REGION: 04 DISTANCE: 151.596

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY TOT.DEM.	CADMIUM UNF.TOT. MG/L	CHLORIDE UNF.REAC MG/L	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L	COPPER UNF.TOT. MG/L	DISOLVED OXYGEN MG/L	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	AS O	AS CD	AS CL-	AS CR	AS CU	AS O	
870210	1520	28020	0.30	0101	60.3	0.4<T	0.0003<	2.65	141.0	0.002	0.001<W	12.70
870316	1440	28030	0.30	0101	59.0	0.4	NO DATA IS	2.70	145.0	NO DATA IS	NO DATA IS	12.00
870413	1440	28040	0.30	0101	66.5	2.2	0.0003<	2.15	152.0	0.001<	0.001<W	11.00
870609	1400	28060	0.30	0101	62.3	1.0		2.05	145.0			8.30
870721	1610	28070	0.30	0101	61.7	0.3<T	NO DATA BT	2.25	140.0	NO DATA BT	NO DATA BT	7.80
870824	1515	28080	0.30	0101	NO DATA LD	NO DATA LD	NO DATA SM	NO DATA LD	NO DATA LD	NO DATA SM	NO DATA SM	8.40
870921	1435	28090	0.30	0101	61.5	1.0<T	0.0003<	2.30	144.0	0.002	0.001<	9.00
871123	1430	28110	0.30	0101	61.2	0.8<T	0.0003<	2.40	144.0	0.002	0.002	13.20
871214	1540	28120	0.30	0101	61.2	0.5<T	0.0003<	1.90	141.0	0.001	0.001	13.20
MAXIMUM		0.30			66.5	2.2		2.70	152.0	0.002	0.002	13.20
ARITH MEAN		0.30			61.7	0.8<A		2.30	144.0	0.002	0.001<A	10.62
GEOM MEAN					61.7	0.7<A		2.29	144.0			10.41
MINIMUM		0.30			59.0	0.3		1.90	140.0	0.001	0.001	7.80
STD DEV (GEOM *)					2.2	0.6<A		0.28	3.8			2.25
# SAMP IN STATISTICS		9			8	8		8	8	4	4	9
% SAMP (EXCLUDED)									20	20		

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NN02FR	NNTKUR	PBUT
		IRON UNF.TOT. MG/L		WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L	POTASSIM UNF.REAC MG/L	NH3-N TOTAL FIL.REAC MG/L	NO2+NO3N FIL.REAC MG/L	NO2-N FIL.REAC MG/L	K'DAHL N TOTAL UNF.REAC MG/L	LEAD UNF.TOT. MG/L
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.	AS FE	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870210	1520	28020	0.024	8	0.01	1.090	0.004<T	0.070<T	0.0020<T	0.410	0.003<
870316	1440	28030	NO DATA IS	8	1.0	0.01	1.260	0.018	0.110	0.0090	NO DATA IS
870413	1440	28040	0.078	8	7.0		1.170	0.026	0.105	0.0125	0.003<
870609	1400	28060		5 8	17.0		1.070	0.026	0.060<T	0.0375	0.320
870721	1610	28070	NO DATA BT	5 8	26.5	0.02	1.020	0.044	0.020<T	0.0015<T	0.360
870824	1515	28080	NO DATA SM	8	20.5	0.02	NO DATA LD	NO DATA LD	NO DATA LD	NO DATA LD	0.390
870921	1435	28090	0.046	8 8	15.0	0.02	1.000	0.042	0.025<T	0.0040<T	0.410
871123	1430	28110	0.055	8	2.0	0.02	1.060	0.010	0.040<T	0.0080	0.390
871214	1540	28120	0.031	8	2.5	0.01	1.080	0.014	0.030<T	0.0030<T	0.420
MAXIMUM		0.078			26.5	0.02	1.260	0.044	0.110	0.0375	0.420
ARITH MEAN		0.047			11.4	0.02	1.094	0.023<A	0.057<A	0.0097<A	0.362
GEOM MEAN		0.043			6.9	0.01	1.091	0.018<A	0.048<A	0.0058<A	0.357
MINIMUM		0.024			1.0	0.01	1.000	0.004	0.020	0.0015	0.240
STD DEV (GEOM *)		0.021			9.6	0.01	0.084	0.014<A	0.035<A	0.0119<A	0.059
# SAMP IN STATISTICS		5			8	7	8	8	8	8	9
% SAMP (EXCLUDED)											

( C O N T D )

B.O.W./ SITE: TAY RIVER  
 SAMPLE POINT: AT DAM IN BOLINGBROKE  
 STATION TYPE: RIVER

STATION ID: 18-0033-023-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 44 45 36.11 LONG: 076 31 11.91

U T M: 18 0379700.0 4957200.0 4

REGION: 04

DISTANCE: 151.596

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB	ZNUT ZINC UNF.TOT.	
SAMPLE DATE	HOUR YYMMDD LMT	SAMPLE NUMBER	PH	UG/L PHENOL	MG/L AS P	TURB'ITY FTU	MG/L AS ZN
870210	1520	28020	7.97	0.2<W	0.010	0.60	0.007
870316	1440	28030	8.02	0.8<T	0.014	1.96	NO DATA IS
870413	1440	28040	7.86	NO DATA NR	0.013	1.45	0.003
870609	1400	28060	7.94	0.2<W	0.018	1.24	
870721	1610	28070	8.19	0.2<W	0.021	1.28	NO DATA BT
870824	1515	28080	NO DATA LD	0.2<T	0.019	NO DATA LD	NO DATA SM
870921	1435	28090	8.06	0.4<T	0.054	1.46	0.004
871123	1430	28110	8.03	0.2<T	0.015	2.10	0.005
871214	1540	28120	7.98	0.4<T	0.018	1.70	0.001
MAXIMUM		8.19	0.8	0.054	2.10	0.007	
ARITH MEAN		8.01	0.3<A	0.020	1.47	0.004	
GEOM MEAN		8.01	0.3<A	0.018	1.39	0.003	
MINIMUM		7.86	0.2	0.010	0.60	0.001	
STD DEV (GEOM *)		0.10	0.2<A	0.013	0.47	0.002	
# SAMP IN STATISTICS		8	8	9	8	5	
% SAMP (EXCLUDED)							



B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT DAM IN KILMARNOCK  
 STATION TYPE: RIVER

STATION ID: 18-0033-026-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 44 53 14.85 LONG: 075 55 39.17

U T M: 18 0426750.0 4970650.0 4

REGION: 04

DISTANCE: 88.190

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HR	DEPTH	SUB-PROJ	MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870210	1400	28018	0101	103.6	0.8<T	0.0003<	8.60	242.0	0.003	0.001	11.80
870316	1325	28028	0101	129.2	0.6	0.0002<	13.20	306.0	0.001<	0.001<	12.40
870413	1340	28038	0101	102.9	1.5	0.0003<	7.55	234.0	0.001<	0.001<W	10.00
870609	1250	28058	0101	98.1	0.9	NO DATA SM	6.35	225.0	NO DATA SM	NO DATA SM	8.30
870721	1420	28068	0101	105.4	0.4<T	0.0003<	5.50	225.0	0.001	0.001	9.10
870824	1330	28078	0101	88.1	0.2<T	NO DATA SM	6.30	204.0	NO DATA SM	NO DATA SM	9.50
870921	1330	28088	0101	89.3	0.8<T	0.0003<	6.25	218.0	0.002	0.002	8.80
871123	1250	28108	0101	126.7	1.6	0.0003<	11.20	311.0	0.003	0.002	14.40
871214	1400	28118	0101	139.3	0.4<T	0.0003<	7.20	299.0	0.002	0.005	13.40
	MAXIMUM	0.30		139.3	1.6		13.20	311.0	0.003	0.005	14.40
	ARITH MEAN	0.30		109.2	0.8<A		8.02	251.6	0.002	0.002<A	10.86
	GEOM MEAN			107.9	0.7<A		7.70	248.6			10.66
	MINIMUM	0.30		88.1	0.2		5.50	204.0	0.001	0.001	8.30
	STD DEV (GEOM *)			18.2	0.5<A		2.58	41.8			2.20
	# SAMP IN STATISTICS	9		9	9		9	9	5	6	9
	% SAMP (EXCLUDED)								28	14	

*=INTERIM	TEST-NAME:	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NN02FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
SAMPLE		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
DATE	HR	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870210	1400	0.077	8		0.01	1.510	0.148	0.185	0.0050	0.410	0.003<
870316	1325	0.130	8	0.5	0.01	2.010	0.102	0.290	0.0060	0.580	0.003<
870413	1340	0.160	8	11.5		1.610	0.068	0.095<T	0.0115	0.470	0.003<
870609	1250	NO DATA SM	5	16.0		1.310	0.002<T	0.115	0.0625	0.480	NO DATA SM
870721	1420	0.069		25.5	0.02	0.580	0.062	0.020<W	0.0035<T	0.550	0.003<
870824	1330	NO DATA SM		18.5	0.02	0.590	0.046	0.045<T	0.0025<T	0.580	NO DATA SM
870921	1330	0.037	5 8	15.0	0.02	1.250	0.042	0.045<T	0.0065	0.540	0.003<
871123	1250	0.110	8	1.0	0.02	2.090	0.032	0.130	0.0145	0.630	0.003<
871214	1400	0.130	8	1.0	0.01	1.230	0.002<T	0.190	0.0035<T	0.490	0.003<
	MAXIMUM	0.160		25.5	0.02	2.090	0.148	0.290	0.0625	0.630	
	ARITH MEAN	0.102		11.1	0.02	1.353	0.056<A	0.124<A	0.0128<A	0.526	
	GEOM MEAN	0.093		5.3	0.01	1.242	0.029<A	0.094<A	0.0073<A	0.521	
	MINIMUM	0.037		0.5	0.01	0.580	0.002	0.020	0.0025	0.410	
	STD DEV (GEOM *)	0.043		9.4	0.01	0.533	0.047<A	0.087<A	0.0190<A	0.068	
	# SAMP IN STATISTICS	7		8	7	9	9	9	9	9	
	% SAMP (EXCLUDED)										

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

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B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT DAM IN KILMARNOCK  
 STATION TYPE: RIVER

STATION ID: 18-0033-026-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 44 53 14.85 LONG: 075 55 39.17 U T M: 18 0426750.0 4970650.0 4 REGION: 04 DISTANCE: 88.190

*INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	PH	PHENOL	TURB'ITY FTU	AS ZN
870210	1400	28018	7.94		1.30	0.006
870316	1325	28028	7.84	1.0	1.85	0.005
870413	1340	28038	8.07		4.70	0.004
870609	1250	28058	8.15		2.10	NO DATA SM
870721	1420	28068	8.42		1.17	0.006
870824	1330	28078	8.51	0.2<T	2.40	NO DATA SM
870921	1330	28088	8.10	0.6<T	1.49	0.009
871123	1250	28108	8.14	0.2<T	3.20	0.008
871214	1400	28118	8.09	0.4<T	2.80	0.005
MAXIMUM		8.51	1.0	0.043	4.70	0.009
ARITH MEAN		8.14	0.5<A	0.032	2.33	0.006
GEOM MEAN		8.14	0.4<A	0.030	2.13	0.006
MINIMUM		7.84	0.2	0.016	1.17	0.004
STD DEV (GEOM *)		0.21	0.3<A	0.010	1.12	0.002
# SAMP IN STATISTICS		9	5	9	9	7
% SAMP (EXCLUDED)						

B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT BRIDGE DOWNSTREAM OF KARS  
 STATION TYPE: RIVER

STATION ID: 18-0033-029-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 09 42.39 LONG: 075 38 03.34

U T M: 18 0450150.0 5000900.0 4

REGION: 04

DISTANCE: 38.945

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03							
870210	1210	28015	0.30	0101	148.1	0.8<T	0.0003<	14.00	334.0	0.004	0.001	11.60
870316	1140	28025	0.30	0101	166.2	0.5	0.0002<	13.80	372.0	0.001	0.001<	11.60
870413	1200	28035	0.30	0101	126.6	2.1	0.0003<	8.30	275.0	0.001	0.001	11.00
870609	1120	28055	0.30	0101	123.0	0.3<T	NO DATA SM	8.25	274.0	NO DATA SM	NO DATA SM	7.90
870721	1230	28065	0.30	0101	108.7	0.7<T	0.0003<	8.35	242.0	0.002	0.001	7.90
870824	1130	28075	0.30	0101	104.8	0.4<T	NO DATA SM	7.60	233.0	NO DATA SM	NO DATA SM	7.70
870921	1130	28085	0.30	0101	98.7	1.2	0.0003<	8.75	235.0	0.003	0.001	8.10
871123	1125	28105	0.30	0101	149.6	1.5	NO DATA IS	12.50	359.0	NO DATA IS	NO DATA IS	13.70
871214	1230	28115	0.30	0101	135.6	0.5<T	0.0003<	9.30	314.0	0.002	0.001	13.60
MAXIMUM		0.30			166.2	2.1		14.00	372.0	0.004	0.001	13.70
ARITH MEAN		0.30			129.0	0.9<A		10.09	293.1	0.002	0.001	10.34
GEOM MEAN					127.2	0.7<A		9.83	288.8	0.002		10.08
MINIMUM		0.30			98.7	0.3		7.60	233.0	0.001	0.001	7.70
STD DEV (GEOM *)					22.8	0.6<A		2.58	53.6	0.001		2.49
# SAMP IN STATISTICS		9			9	9		9	6	5	9	
% SAMP (EXCLUDED)										16		

*INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON UNF.TOT. MG/L AS FE		WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	NO3-N UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.								
870210	1210	28015	0.300	4 8	0.02	1.760	0.116	0.235	0.0135	0.420	0.003<
870316	1140	28025	0.350	4 8	0.5	2.010	0.188	0.315	0.0085	0.670	0.003<
870413	1200	28035	0.170	8	12.0	1.610	0.078	0.065<T	0.0120	0.490	0.003<
870609	1120	28055	NO DATA SM	5 8	17.0	1.040	0.004<T	0.230	0.1400	0.580	NO DATA SM
870721	1230	28065	0.085	5 7	25.5	0.650	0.178	0.045<T	0.0125	0.890	0.003<
870824	1130	28075	NO DATA SM	5 7	19.0	0.400	0.122	0.055<T	0.0085	0.840	NO DATA SM
870921	1130	28085	0.068	5 8	15.5	0.620	0.128	0.050<T	0.0080	0.790	0.003<
871123	1125	28105	NO DATA IS	8	1.0	2.460	0.026	0.100	0.0130	0.680	NO DATA IS
871214	1230	28115	0.100	8	1.0	1.600	0.022	0.410	0.0055	0.570	0.003<
MAXIMUM		0.350		25.5	0.06	2.460	0.188	0.410	0.1400	0.890	
ARITH MEAN		0.179		11.4	0.03	1.350	0.096<A	0.167<A	0.0246	0.659	
GEOM MEAN		0.148		5.4	0.02	1.158	0.060<A	0.121<A	0.0131	0.641	
MINIMUM		0.068		0.5	0.01	0.400	0.004	0.045	0.0055	0.420	
STD DEV (GEOM *)		0.119		9.6	0.02	0.706	0.068<A	0.135<A	0.0434	0.160	
# SAMP IN STATISTICS		6		8	7	9	9	9	9	9	
% SAMP (EXCLUDED)											

( C O N T D )

B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT BRIDGE DOWNSTREAM OF KARS  
 STATION TYPE: RIVER

STATION ID: 18-0033-029-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 09 42.39 LONG: 075 38 03.34

U T M: 18 0450150.0 5000900.0 4

REGION: 04

DISTANCE: 38.945

*INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE YYMMDD	HOURL LMT	SAMPLE NUMBER	PH			
870210	1210	28015	8.02	0.2<W	0.024	6.80
870316	1140	28025	7.83	0.8<T	0.036	5.20
870413	1200	28035	8.19	NO DATA NR	0.040	5.60
870609	1120	28055	8.28	0.2<T	0.063	3.20
870721	1230	28065	8.42	0.2<T	0.088	1.42
870824	1130	28075	8.37	0.2<T	0.055	4.20
870921	1130	28085	8.23	0.2<W	0.092	5.80
871123	1125	28105	8.09	0.2<W	0.033	4.90
871214	1230	28115	8.07	0.2<T	0.024	2.50
MAXIMUM		8.42	0.8	0.092	6.80	0.020
ARITH MEAN		8.17	0.3<A	0.051	4.40	0.012
GEOM MEAN		8.16	0.2<A	0.045	4.01	0.010
MINIMUM		7.83	0.2	0.024	1.42	0.004
STD DEV (GEOM *)		0.18	0.2<A	0.026	1.73	0.007
# SAMP IN STATISTICS		9	8	9	9	6
% SAMP (EXCLUDED)						

B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT HOG'S BACK ROAD OTTAWA  
 STATION TYPE: RIVER

STATION ID: 18-0033-031-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 22 14.50 LONG: 075 41 50.10

U T M: 18 0445400.0 5024150.0 4

REGION: 04

DISTANCE: 11.426

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	TOTAL	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CACO3	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870210	0940	28012	0101	168.4	0.7<T	0.0003<	15.90	374.0	0.002	0.001	13.20
870316	0940	28022	0101	163.2	0.9	0.0002<	20.10	383.0	0.001<	0.001	12.70
870413	0955	28032	0101	137.8	2.0	NO DATA BT	12.20	308.0	NO DATA BT	NO DATA BT	11.30
870609	0920	28052	0101	139.7	1.2	NO DATA SM	10.00	304.0	NO DATA SM	NO DATA SM	8.20
870721	0955	28062	0101	144.0	0.1<W	0.0003<	13.45	333.0	0.001	0.001	7.80
870824	0920	28072	0101	134.1	0.2<T	NO DATA SM	12.70	301.0	NO DATA SM	NO DATA SM	7.60
870921	0920	28082	0101	117.1	0.7<T	0.0003<	14.25	295.0	0.003	0.002	8.60
871123	0925	28102	0101	166.0	1.2	NO DATA IS	15.90	402.0	NO DATA IS	NO DATA IS	15.00
871214	1030	28112	0101	149.3	7.1	0.0003<	12.20	353.0	0.002	0.003	14.30

MAXIMUM	0.30	168.4	7.1	20.10	402.0	0.003	0.003	15.00
ARITH MEAN	0.30	146.6	1.6<A	14.08	339.2	0.002	0.002	10.97
GEOM MEAN		145.7	0.8<A	13.82	337.1		0.001	10.61
MINIMUM	0.30	117.1	0.1	10.00	295.0	0.001	0.001	7.60
STD DEV (GEOM *)		16.9	2.2<A	2.93	40.2		0.001	2.96
# SAMP IN STATISTICS	9	9	9	9	9	4	5	9
% SAMP (EXCLUDED)						20		

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD
SAMPLE		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	UNF.REAC	UNF.TOT.
DATE	HOUR	MG/L	STREAM	TEMP	UG/L	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870210	0940	28012	0.170	8	0.02	1.730	0.106	0.215	0.0055	0.530	0.003<
870316	0940	28022	0.280		0.05	2.080	0.160	0.395	0.0100	0.550	0.003<
870413	0955	28032	NO DATA BT	9	11.0	1.610	0.054	0.155	0.0125	0.490	NO DATA BT
870609	0920	28052	NO DATA SM	5 8	18.0	1.230	0.006<T	0.160	0.0800	0.510	NO DATA SM
870721	0955	28062	0.140	5 8	23.5	1.650	0.112	0.320	0.0275	0.750	0.003<
870824	0920	28072	NO DATA SM	5 8	20.0	0.920	0.096	0.050<T	0.0075	0.825	NO DATA SM
870921	0920	28082	0.220	5 8	16.0	0.990	0.078	0.120	0.0120	0.730	0.003<
871123	0925	28102	NO DATA IS	8	0.5	2.520	0.004<T	0.260	0.0125	0.640	NO DATA IS
871214	1030	28112	0.180	3	1.5	1.800	0.024	0.670	0.0070	0.590	0.003<

MAXIMUM	0.280	23.5	0.05	2.520	0.160	0.670	0.0800	0.825
ARITH MEAN	0.198	12.9	0.02	1.614	0.071<A	0.261<A	0.0194	0.624
GEOM MEAN	0.192	7.3	0.02	1.540	0.042<A	0.207<A	0.0132	0.614
MINIMUM	0.140	0.5	0.01	0.920	0.004	0.050	0.0055	0.490
STD DEV (GEOM *)	0.054	9.0	0.01	0.513	0.053<A	0.186<A	0.0236	0.119
# SAMP IN STATISTICS	5	7	7	9	9	9	9	9
% SAMP (EXCLUDED)								

( C O N T D )

B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT HOG'S BACK ROAD OTTAWA  
 STATION TYPE: RIVER

STATION ID: 18-0033-031-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 22 14.50 LONG: 075 41 50.10

U T M: 18 0445400.0 5024150.0 4

REGION: 04

DISTANCE: 11.426

*=-INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	PH	PHENOL	TURB'ITY FTU	ZINC MG/L AS ZN	
870210	0940	28012	8.10	0.2<W	0.024	2.80	0.005
870316	0940	28022	8.13	0.6<T	0.037	3.10	0.017
870413	0955	28032	8.25	NO DATA NR	0.070	6.70	NO DATA BT
870609	0920	28052	8.25	0.2<T	0.047	5.40	NO DATA SM
870721	0955	28062	8.18	0.2<T	0.024	3.80	0.006
870824	0920	28072	8.32	0.2<W	0.053	6.60	NO DATA SM
870921	0920	28082	8.24	0.2<T	0.071	6.50	0.007
871123	0925	28102	8.11	0.2<W	0.031	8.90	NO DATA IS
871214	1030	28112	8.11	0.2<T	0.030	3.50	0.005
MAXIMUM		8.32	0.6	0.071	8.90	0.017	
ARITH MEAN		8.19	0.2<A	0.043	5.26	0.008	
GEOM MEAN		8.19	0.2<A	0.040	4.89	0.007	
MINIMUM		8.10	0.2	0.024	2.80	0.005	
STD DEV (GEOM *)		0.08	0.1<A	0.018	2.08	0.005	
# SAMP IN STATISTICS		9	8	9	9	5	
% SAMP (EXCLUDED)							

B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: ST. PATRICK STREET BRIDGE OTTAWA  
 STATION TYPE: RIVER FLOW GAUGE FED 02LA004

STATION ID: 18-0033-034-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 26 13.88 LONG: 075 40 44.00

U T M: 18 0446900.0 5031525.0 4

REGION: 04

DISTANCE: 1.609

*=-INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CDUT	CLIDUR	COND25
				ALK	ALUMINUM	ARSENIC	BOD	CALCIUM	CADMIUM	CHLORIDE	CONDUCT.
SAMPLE		SAMPLE	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	5 DAY	UNF.REAC	UNF.TOT.	UNF.REAC	25C
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	TOT.DEM.	MG/L	MG/L	MG/L	UMHO/CM
YYMMDD	LMT	M	CODE	AS CAC03	AS AL	AS AS	AS O	AS CA	AS CD	AS CL-	AT 25 C
870210	1010	28013	0101	169.6	0.073	0.001<	0.8<T	42.00	0.0003<	32.10	425.0
870316	1010	28023	0101	158.3	NO DATA IS	NO DATA IS	1.1	48.30	NO DATA IS	24.80	396.0
870413	1030	28033	0101	138.1	0.240	0.001<	2.1	40.50	0.0003<	10.80	304.0
870609	0955	28053	0101	140.6	NO DATA SM	NO DATA SM	1.3	38.70	NO DATA SM	10.70	307.0
870721	1025	28063	0101	145.8	0.170	0.001<	0.5<	42.30	0.0003<	15.40	344.0
870824	0950	28073	0101	130.9	NO DATA SM	0.001<	0.1<W	37.80	NO DATA SM	18.20	332.0
870921	1000	28083	0101	118.0	0.087	0.001<	0.7<T	35.50	0.0003<	18.80	318.0
871123	0955	28103	0101	167.4	NO DATA BT	NO DATA BT	1.1	53.20	NO DATA BT	17.30	412.0
871214	1100	28113	0101	149.5	0.180	0.001<	0.4<T	42.90	0.0003<	13.10	357.0

MAXIMUM	0.30	169.6	0.240	2.1	53.20	32.10	425.0
ARITH MEAN	0.30	146.5	0.150	0.9<A	42.36	17.91	355.0
GEOM MEAN		145.6	0.136		42.06	16.86	352.4
MINIMUM	0.30	118.0	0.073	0.1	35.50	10.70	304.0
STD DEV (GEOM *)		16.9	0.069		5.45	6.91	45.8
# SAMP IN STATISTICS	9	9	5	8	9	9	9
% SAMP (EXCLUDED)				11			

*=-INTERIM TEST-NAME:		CRUT	CUUT	DO	DOC	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	IONCAL
		CHROMIUM	COPPER	DISOLVED	CARBON	IRON	STREAM			MERCURY	
SAMPLE		UNF.TOT.	UNF.TOT.	OXYGEN	DISOLVED	UNF.TOT.	FLOW		WATER	UNF.TOT.	ION
DATE	HOUR	MG/L	MG/L	MG/L	ORGANIC	MG/L	M3		TEMP	UG/L	BALANCE
YYMMDD	LMT	AS CR	AS CU	AS O	AS C	AS FE	/S	STREAM	DEG.C	AS HG	CALC.
								COND.			
870210	1010	28013	0.003	0.001	14.00	7.3	0.210	21.800	4	0.02	NE YET
870316	1010	28023	NO DATA IS	NO DATA IS	14.20	7.0	NO DATA IS	43.000	8	0.09	NE YET
870413	1030	28033	0.010	0.010	11.10	7.0	0.300	131.000	9	11.5	NO DATA SS
870609	0955	28053	NO DATA SM	NO DATA SM	8.40	8.4	NO DATA SM	57.200	5 8	17.0	0.01
870721	1025	28063	0.001	0.002	7.40	10.3	0.170	27.100	7 5	24.0	0.02
870824	0950	28073	NO DATA SM	NO DATA SM	7.60	9.8	NO DATA SM	6.870	5 8	18.5	0.01
870921	1000	28083	0.003	0.002	8.00	8.3	0.110	18.000	5 8	15.0	0.02
871123	0955	28103	NO DATA BT	NO DATA BT	14.80	9.0	NO DATA BT	30.200	8	0.5	0.02
871214	1100	28113	0.003	0.002	15.80	7.9	0.230	140.000	3	1.0	0.02

MAXIMUM	0.010	0.010	15.80	10.3	0.300	140.000	24.0	0.09	6.377
ARITH MEAN	0.004	0.003	11.26	8.3	0.204	52.797	11.0	0.03	3.420
GEOM MEAN	0.003	0.002	10.77	8.3	0.193	35.919	4.9	0.02	2.800
MINIMUM	0.001	0.001	7.40	7.0	0.110	6.870	0.5	0.01	1.189
STD DEV (GEOM *)	0.003	0.004	3.47	1.2	0.071	49.101	9.2	0.03	2.191
# SAMP IN STATISTICS	5	5	9	9	5	9	8	8	5
% SAMP (EXCLUDED)									

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

137

B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: ST. PATRICK STREET BRIDGE OTTAWA  
 STATION TYPE: RIVER FLOW GAUGE FED 02LA004

STATION ID: 18-0033-034-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 26 13.88			LONG: 075 40 44.00			U T M: 18 0446900.0 5031525.0 4			REGION: 04		DISTANCE: 1.609	
*=INTERIM TEST-NAME:			KKUR	MGUR	MNUT	NAUR	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	MNO2FR	NNTKUR K'DAHL N TOTAL	PBUT LEAD
SAMPLE DATE	HR	SAMPLE NUMBER	POTASSIM UNF.REAC MG/L AS K	MAGNESIM FIL.REAC MG/L AS MG	MANGANSE UNF.TOT. MG/L AS MN	SODIUM UNF.REAC MG/L AS NA	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB
870210	1010	28013	1.850	15.100	0.064	17.10	0.002<	0.114	0.245	0.0050	0.380	0.003<
870316	1010	28023	2.050	14.300	NO DATA IS	13.30	NO DATA IS	0.152	0.485	0.0190	0.620	NO DATA IS
870413	1030	28033	1.590	12.700	0.047	5.84	0.002<	0.052	0.150	0.0125	0.470	0.003<
870609	0955	28053	1.210	12.700	NO DATA SM	6.68	NO DATA SM	0.006<T	0.175	0.0275	0.570	NO DATA SM
870721	1025	28063	1.820	13.700	0.062	10.10	0.002	0.070	0.445	0.0670	0.710	0.003<
870824	0950	28073	1.090	16.200	NO DATA SM	10.70	NO DATA SM	0.082	1.730	0.0210	0.930	NO DATA SM
870921	1000	28083	1.160	10.300	0.037	11.30	0.001<	0.088	0.210	0.0270	0.730	0.003<
871123	0955	28103	2.580	15.400	NO DATA BT	9.74	NO DATA BT	0.014	0.310	0.0145	0.650	NO DATA BT
871214	1100	28113	1.860	13.600	0.036	7.80	0.001	0.024	0.685	0.0075	0.620	0.003<
MAXIMUM			2.580	16.200	0.064	17.10	0.002	0.152	1.730	0.0670	0.930	
ARITH MEAN			1.690	13.778	0.049	10.28	0.001	0.067<A	0.493	0.0223	0.631	
GEOM MEAN			1.629	13.670	0.048	9.79		0.046<A	0.362	0.0172	0.613	
MINIMUM			1.090	10.300	0.036	5.84	0.001	0.006	0.150	0.0050	0.380	
STD DEV (GEOM *)			0.484	1.767	0.013	3.46		0.048<A	0.495	0.0185	0.158	
# SAMP IN STATISTICS			9	9	5	9	2	9	9	9	9	
% SAMP (EXCLUDED)							60					
*=INTERIM TEST-NAME:			PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	SEUT SELENIUM UNF.TOT. MG/L AS SE	SSO4UR SULPHATE UNF.REAC MG/L AS SO4	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN			
870210	1010	28013	8.19		0.012	0.001<	14.80	1.90	0.015			
870316	1010	28023	8.00		0.030	NO DATA IS	17.50	3.60	NO DATA IS			
870413	1030	28033	8.27		0.046	0.001<	9.40	7.20	0.910			
870609	0955	28053	8.30		0.081	NO DATA SM	8.70	5.00	NO DATA SM			
870721	1025	28063	8.21		0.078	0.001<	14.60	3.90	0.009			
870824	0950	28073	8.16	0.2<W	0.041	0.001<	11.60	3.40	NO DATA SM			
870921	1000	28083	8.21	0.2<W	0.124	0.001<	17.00	2.50	0.009			
871123	0955	28103	8.14	0.2<T	0.033	NO DATA BT	23.80	10.90	NO DATA BT			
871214	1100	28113	8.17	0.8<T	0.034	0.001<	19.60	4.60	0.008			
MAXIMUM			8.30	0.8	0.124		23.80	10.90	0.910			
ARITH MEAN			8.18	0.3<A	0.053		15.22	4.78	0.190			
GEOM MEAN			8.18	0.3<A	0.044		14.51	4.20	0.025			
MINIMUM			8.00	0.2	0.012		8.70	1.90	0.008			
STD DEV (GEOM *)			0.09	0.3<A	0.035		4.89	2.76	0.402			
# SAMP IN STATISTICS			9	4	9		9	9	5			
% SAMP (EXCLUDED)												



B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT NICOLSON'S LOCK ANDREWSVILLE  
 STATION TYPE: RIVER

STATION ID: 18-0033-035-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 44 57 03.04 LONG: 075 49 12.65

U T M: 18 0435300.0 4977600.0 4

REGION: 04

DISTANCE: 73.545

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	UNF.TOT. MG/L AS O	UNF.REAC MG/L AS CD	25C UMHO/CM AT 25 C	UNF.TOT. MG/L AS CR	UNF.TOT. MG/L AS CU	OXYGEN MG/L AS O
870210	1330	28017	0.30	0101	127.3	0.8<T	NO DATA IS	8.70	NO DATA IS	NO DATA IS	12.30
870316	1255	28027	0.30	0101	153.3	0.8	0.0002<	12.40	0.002	0.001<	12.30
870413	1305	28037	0.30	0101	113.7	1.9	0.0003<	7.85	0.001<	0.001<W	10.60
870609	1225	28057	0.30	0101	104.5	0.9<T	NO DATA SM	6.75	NO DATA SM	NO DATA SM	8.60
870721	1345	28067	0.30	0101	85.8	0.9<T	0.0003<	7.00	0.013	0.001<W	8.00
870824	1245	28077	0.30	0101	81.6	0.6<T	NO DATA SM	6.75	NO DATA SM	NO DATA SM	9.80
870921	1230	28087	0.30	0101	85.1	0.8<T	0.0003<	6.40	0.002	0.001<	9.80
871123	1225	28107	0.30	0101	140.9	1.6	0.0003<	11.60	0.003	0.001	14.70
871214	1335	28117	0.30	0101	121.3	0.5<T	0.0003<	8.20	0.002	0.002	14.20
MAXIMUM		0.30			153.3	1.9		12.40	0.013	0.002	14.70
ARITH MEAN		0.30			112.6	1.0<A		8.41	0.004	0.001<A	11.14
GEOM MEAN					110.0	0.9<A		8.18			10.92
MINIMUM		0.30			81.6	0.5		6.40	0.002	0.001	8.00
STD DEV (GEOM *)					25.6	0.5<A		2.18			2.37
# SAMP IN STATISTICS		9			9	9		9	5	4	9
% SAMP (EXCLUDED)									16	33	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
SAMPLE DATE	YMMDD LMT	UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	UNF.TOT. UG/L AS HG	UNF.REAC MG/L AS K	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB
870210	1330	28017 NO DATA IS	8		0.02	1.650	0.156	0.155	0.0045<T	0.410	NO DATA IS
870316	1255	28027 0.900	8	0.5	0.01	1.970	0.132	0.335	0.0115	0.500	0.003<
870413	1305	28037 0.230	3	12.0		1.660	0.054	0.075<T	0.0135	0.540	0.003<
870609	1225	28057 NO DATA SM	5 8	17.0		1.110	0.002<T	0.155	0.0805	0.460	NO DATA SM
870721	1345	28067 0.064	5 8	25.0	0.02	0.440	0.086	0.040<T	0.0075	0.670	0.003<
870824	1245	28077 NO DATA SM	5	21.0	0.01	0.460	0.082	0.070<T	0.0065	0.690	NO DATA SM
870921	1230	28087 0.046	5 8	15.0	0.02	0.650	0.056	0.050<T	0.0065	0.570	0.003<
871123	1225	28107 0.170	8	1.0	0.02	2.340	0.010	0.110	0.0135	0.670	0.003<
871214	1335	28117 0.091	3	1.5	0.02	1.600	0.020	0.280	0.0045<T	0.530	0.003<
MAXIMUM		0.900		25.0	0.02	2.340	0.156	0.335	0.0805	0.690	
ARITH MEAN		0.250		11.6	0.02	1.320	0.066<A	0.141<A	0.0165<A	0.560	
GEOM MEAN		0.145		5.8	0.02	1.128	0.038<A	0.111<A	0.0101<A	0.552	
MINIMUM		0.046		0.5	0.01	0.440	0.002	0.040	0.0045	0.410	
STD DEV (GEOM *)		0.326		9.6	0.00	0.687	0.053<A	0.104<A	0.0243<A	0.099	
# SAMP IN STATISTICS		6		8	7	9	9	9	9	9	
% SAMP (EXCLUDED)											

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

139

B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT NICOLSON'S LOCK ANDREWSVILLE  
 STATION TYPE: RIVER

STATION ID: 18-0033-035-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 44 57 03.04 LONG: 075 49 12.65

U T M: 18 0435300.0 4977600.0 4

REGION: 04

DISTANCE: 73.545

*=INTERIM TEST-NAME:		PH	PHNOL	PPUT	TURB	ZNUT	
			PHENOLS	PHOSPHOR		ZINC	
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR	SAMPLE	UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	NUMBER	PHENOL	AS P	FTU	AS ZN	
870210	1330	28017	8.01	0.2<W	0.019	1.40	NO DATA IS
870316	1255	28027	7.96	0.8<T	0.025	1.78	0.016
870413	1305	28037	8.14	NO DATA NR	0.046	6.30	0.006
870609	1225	28057	8.21	0.2<T	0.047	2.90	NO DATA SM
870721	1345	28067	8.39	0.4<T	0.047	1.52	0.005
870824	1245	28077	8.58	0.2<T	0.080	2.70	NO DATA SM
870921	1230	28087	8.25	0.4<T	0.028	1.46	0.006
871123	1225	28107	8.20	0.2<T	0.034	5.60	0.003
871214	1335	28117	8.07	0.2<T	0.020	1.50	0.004
MAXIMUM		8.58	0.8	0.080	6.30	0.016	
ARITH MEAN		8.20	0.3<A	0.038	2.80	0.007	
GEOM MEAN		8.20	0.3<A	0.035	2.36	0.006	
MINIMUM		7.96	0.2	0.019	1.40	0.003	
STD DEV (GEOM *)		0.19	0.2<A	0.019	1.88	0.005	
# SAMP IN STATISTICS		9	8	9	9	6	
% SAMP (EXCLUDED)							

B.O.W./ SITE: JOCK RIVER  
 SAMPLE POINT: AT MOODIE DRIVE BRIDGE  
 STATION TYPE: RIVER FLOW GAUGE FED 02LA007

STATION ID: 18-0033-036-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 14 58.06 LONG: 075 47 28.81

U T M: 18 0437900.0 5010750.0 4

REGION: 04

DISTANCE: 33.313

*=INTERIM	TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD						
					5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	ALK	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HR	DEPTH	SUB-PROJ	TOTAL	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	M	CODE	AS CAC03	AS 0	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS 0
870316	0900	28021	0101	251.1	0.9	0.0002<	26.50	558.0	0.021	0.001<	6.40
870413	0910	28031	0101	156.4	2.0	0.0003<	12.00	339.0	0.110	0.008	9.40
870609	0845	28051	0101	199.6	4.3	NO DATA SM	16.35	430.0	NO DATA SM	NO DATA SM	6.80
870721	0915	28061	0101	181.8	0.5<	0.0003<	6.65	355.0	0.001	0.001	5.70
870824	0840	28071	0101	205.7	0.5<T	NO DATA SM	16.50	422.0	NO DATA SM	NO DATA SM	6.20
870921	0840	28081	0101	199.4	1.0<T	0.0003<	NO DATA LA	470.0	0.004	0.002	6.80
871123	0845	28101	0101	219.0	0.9<T	0.0003<	19.90	500.0	0.006	0.002	13.60
871214	0955	28111	0101	197.6	0.1<W	0.0003<	15.90	443.0	0.003	0.002	12.60
		MAXIMUM		251.1	4.3		26.50	558.0	0.110	0.008	13.60
		ARITH MEAN		201.3	1.4<A		16.26	439.6	0.024	0.003	8.44
		GEOM MEAN		199.7			15.12	434.4	0.007		8.00
		MINIMUM		156.4	0.1		6.65	339.0	0.001	0.001	5.70
		STD DEV (GEOM *)		27.3			6.18	72.0	0.043		3.09
		# SAMP IN STATISTICS	8	8	7	7	8	6	5	8	
		% SAMP (EXCLUDED)			12				16		

*=INTERIM	TEST-NAME:	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	
								NH3-N			K'DAHL N	
		IRON	STREAM			MERCURY	POTASSIM	TOTAL	NO2+NO3N	NO2-N	TOTAL	
SAMPLE		UNF.TOT.	FLOW		WATER	UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	
DATE	HR	MG/L	M3	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	AS FE	/S	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	
870316	0900	28021	0.410	4.530	8	0.5	0.03	2.150	0.250	0.440	0.0115	0.690
870413	0910	28031	0.260	14.000	3	11.0		1.400	0.034	0.375	0.0170	0.420
870609	0845	28051	NO DATA SM	6.350	5 9	17.0		1.800	0.006<T	1.220	0.1070	0.950
870721	0915	28061	0.320	7.740	5 8	22.0	0.08	1.070	0.036	0.090<T	0.0245	0.830
870824	0840	28071	NO DATA SM	0.378	5 8	18.0	0.03	1.420	0.050	0.080<T	0.0115	0.950
870921	0840	28081	0.250	1.110	5 8	14.0	0.03	2.700	0.094	0.210	0.0155	0.960
871123	0845	28101	0.200	4.770	8	0.5	0.02	2.050	0.054	0.580	0.0195	0.750
871214	0955	28111	0.170	20.100	3	2.0	0.02	1.820	0.032	1.170	0.0135	0.670
		MAXIMUM	0.410	20.100		22.0	0.08	2.700	0.250	1.220	0.1070	0.960
		ARITH MEAN	0.268	7.372		10.6	0.03	1.801	0.069<A	0.521<A	0.0275	0.777
		GEOM MEAN	0.257	4.338		5.2	0.03	1.737	0.044<A	0.346<A	0.0198	0.754
		MINIMUM	0.170	0.378		0.5	0.02	1.070	0.006	0.080	0.0115	0.420
		STD DEV (GEOM *)	0.087	6.656		8.6	0.02	0.512	0.077<A	0.450<A	0.0324	0.186
		# SAMP IN STATISTICS	6	8		8	6	8	8	8	8	8
		% SAMP (EXCLUDED)										

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

141

B.O.W./ SITE: JOCK RIVER  
 SAMPLE POINT: AT MOODIE DRIVE BRIDGE  
 STATION TYPE: RIVER FLOW GAUGE FED 02LA007

STATION ID: 18-0033-036-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 14 58.06 LONG: 075 47 28.81 U T M: 18 0437900.0 5010750.0 4 REGION: 04 DISTANCE: 33.313

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT
		LEAD		PHENOLS	PHOSPHOR		ZINC
		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.
SAMPLE		MG/L		UG/L	MG/L	TURB'ITY	MG/L
DATE	HR	AS PB	PH	PHENOL	AS P	FTU	AS ZN
YYMMDD	LMT	SAMPLE					
		NUMBER					
870316	0900	28021	0.003<	7.81	1.0	0.028	3.70
870413	0910	28031	0.003<	8.16	NO DATA NR	0.060	4.80
870609	0845	28051	NO DATA SM	8.17	0.2<T	0.108	19.20
870721	0915	28061	0.003<	8.09	0.2<T	0.070	5.90
870824	0840	28071	NO DATA SM	8.32	0.2<W	0.010<T	15.60
870921	0840	28081	0.003<	8.26	0.2<W	0.135	NO DATA LA
871123	0845	28101	0.003<	8.11	0.2<W	0.019	4.90
871214	0955	28111	0.003<	8.10	0.4<T	0.024	1.90
MAXIMUM			8.32	1.0	0.135	19.20	0.680
ARITH MEAN			8.13	0.3<A	0.057<A	8.00	0.127
GEOM MEAN			8.13	0.3<A	0.041<A	6.04	0.024
MINIMUM			7.81	0.2	0.010	1.90	0.006
STD DEV (GEOM *)			0.15	0.3<A	0.045<A	6.62	0.271
# SAMP IN STATISTICS			8	7	8	7	6
% SAMP (EXCLUDED)							

B.O.W./ SITE: RIDEAU RIVER  
 SAMPLE POINT: AT LONG ISLAND GAUGING STATION  
 STATION TYPE: RIVER FLOW GAUGE FED 02LA012

STATION ID: 18-0033-037-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: RIDEAU RIVER

STORET CODE: 02  
 006  
 1710

LAT: 45 14 55.22 LONG: 075 42 19.12

U T M: 18 0444650.0 5010600.0 4

REGION: 04

DISTANCE: 25.910

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FWFLOW	FWSTRC	FWTEMP	HGUT
				ALK	CONDUCT.	COPPER	DISOLVED	STREAM			MERCURY
SAMPLE		SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN	FLOW		WATER	UNF.TOT.
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	M3	STREAM	TEMP	UG/L
YYMMDD	LMT	M	CODE	AS CAC03	AT 25 C	AS CU	AS O	/S	COND.	DEG.C	AS HG
870210	1120	28014	0101	156.0	337.0	0.001<W	14.00	14.900	8		0.02
870316	1100	28024	0101	152.7	368.0	0.002	12.60	19.200	8	1.0	0.05
870413	1115	28034	0101	129.4	283.0	0.001	11.60	68.100	3 9	12.0	
870609	1040	28054	0101	129.6	283.0	NO DATA SM	9.30	24.500	5	17.5	
870721	1120	28064	0101	114.9	265.0	0.001	8.40	16.700	5 8	24.5	0.02
870824	1035	28074	0101	116.0	260.0	NO DATA SM	9.00	7.670	5	20.0	0.02
870921	1055	28084	0101	100.5	239.0	0.002	10.60	9.710	5 8	15.5	0.02
871123	1040	28104	0101	161.7	376.0	0.003	15.50	15.400	8	1.5	0.01
871214	1145	28114	0101	136.3	319.0	0.004	14.40	66.500	3	2.0	0.01
MAXIMUM		0.30		161.7	376.0	0.004	15.50	68.100		24.5	0.05
ARITH MEAN		0.30		133.0	303.3	0.002<A	11.71	26.964		11.7	0.02
GEOM MEAN				131.5	299.9	0.002<A	11.46	20.385		6.8	0.02
MINIMUM		0.30		100.5	239.0	0.001	8.40	7.670		1.0	0.01
STD DEV (GEOM *)				20.8	48.9	0.001<A	2.57	23.389		9.2	0.01
# SAMP IN STATISTICS		9		9	9	7	9	9		8	7
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT
		LEAD		PHENOLS	PHOSPHOR		ZINC
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HOUR	MG/L		UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN
870210	1120	28014	8.14	0.2<W	0.026	2.50	0.005
870316	1100	28024	7.98	0.8<T	0.037	3.30	0.007
870413	1115	28034	8.18	NO DATA NR	0.054	5.80	0.004
870609	1040	28054	8.21	0.2<T	0.092	5.40	NO DATA SM
870721	1120	28064	8.17	0.2<T	0.063	3.60	0.013
870824	1035	28074	8.28	0.2<T	0.091	6.50	NO DATA SM
870921	1055	28084	8.28	0.2<W	0.114	8.60	0.005
871123	1040	28104	8.22	0.2<W	0.025	5.40	0.006
871214	1145	28114	8.09	0.2<T	0.026	5.10	0.007
MAXIMUM			8.28	0.8	0.114	8.60	0.013
ARITH MEAN			8.17	0.3<A	0.059	5.13	0.007
GEOM MEAN			8.17	0.2<A	0.050	4.83	0.006
MINIMUM			7.98	0.2	0.025	2.50	0.004
STD DEV (GEOM *)			0.09	0.2<A	0.034	1.84	0.003
# SAMP IN STATISTICS			9	8	9	9	7
% SAMP (EXCLUDED)							

## 1987 WATER QUALITY DATA REGION 4

143

B.O.W./ SITE: SOUTH NATION RIVER  
 SAMPLE POINT: HIGHWAY 17 PLANTAGENET  
 STATION TYPE: RIVER FLOW GAUGE FED 02LB005

STATION ID: 18-2070-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 33 33.68 LONG: 075 03 50.63 U T M: 18 0495000.0 5044875.0 4 REGION: 04 DISTANCE: 10.300

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CDUT	CLIDUR	COND25	
							BOD					
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	5 DAY TOT.DEM. MG/L AS O	CALCIUM UNF.REAC MG/L AS CA	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C
870101	1300	25440	0.30	0101	228.9	0.500	0.001<	1.3	71.50	0.0003<	41.30	600.0
870127	1330	25439	0.30	0101	236.0	0.520	0.001<	1.4	72.00	0.0003<	35.20	608.0
870324	0700	25441	0.30	0101	142.1	NO DATA RE	NO DATA IS	NO DATA TX	54.10	NO DATA RE	35.50	570.0
870428	1100	25442	0.30	0101	203.6	1.000	0.001<	2.4	61.60	0.0003<	33.30	539.0
870609	1300	25443	0.30	0101	153.9	5.900	0.001<	0.6<T	45.10	0.0003	31.40	438.0
870713	1000	25444	0.30	0101	NO DATA IS	NO DATA BT	NO DATA IS	NO DATA IS	56.60	NO DATA BT	37.70	NO DATA LA
870817	1300	25445	0.30	0101	175.0	1.000	0.001<	1.9	55.40	0.0003<	29.50	475.0
870922	1230	25446	0.30	0101	147.8	1.800	0.001<	1.4	41.80	0.0003<	39.30	493.0
871217	0715	25448	0.30	0101	NO DATA IS	2.500	0.001<	NO DATA IS	NO DATA IS	0.0003<	NO DATA IS	NO DATA IS
MAXIMUM		0.30			236.0	5.900		2.4	72.00	0.0003	41.30	608.0
ARITH MEAN		0.30			183.9	1.889		1.5<A	57.26	0.0003	35.40	531.9
GEOM MEAN					180.4	1.318		1.4<A	56.33		35.20	528.4
MINIMUM		0.30			142.1	0.500		0.6	41.80	0.0003	29.50	438.0
STD DEV (GEOM *)					39.1	1.908		0.6<A	10.95		3.97	65.2
# SAMP IN STATISTICS		9			7	7		6	8	1	8	7
% SAMP (EXCLUDED)									85			

*=INTERIM TEST-NAME:		CRUT	CUUT	DO	DOC	FCMF	FEUT	FSMF	FWFLOW	FMPH	FWSTRC	
					CARBON	FECAL		FECAL				
SAMPLE DATE	YMMDD LMT	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	DISOLVED ORGANIC MG/L AS C	COLIFORM MF CNT /100ML	IRON UNF.TOT. MG/L AS FE	STREPCUS MF CNT /100ML	STREAM FLOW M3 /S	PH FIELD	STREAM COND.	
870101	1300	25440	0.001	0.004	13.00	10.5	0.690		35.000	7.50	4	
870127	1330	25439	0.001	0.007	15.00	10.7	0.720		9.650		4	
870324	0700	25441	NO DATA RE	NO DATA RE	14.00	8.8	NO DATA RE		295.000		3	
870428	1100	25442	0.002	0.003	12.00	10.3	0.920		13.900	8.00	8	
870609	1300	25443	0.012	0.006	6.00	12.7	5.500		61.600	7.30	8	
870713	1000	25444	NO DATA BT	NO DATA BT	13.00	12.4	NO DATA BT		4.800	8.80	8	
870817	1300	25445	0.004	0.004	12.00	10.3	0.730		8.470	8.40	8	
870922	1230	25446	0.005	0.005	10.00	14.2	1.400		6.170	7.40	8	
871217	0715	25448	0.006	0.004	15.00	NO DATA IS	210	1.800	300	52.100	7.40	8
MAXIMUM		0.012	0.007	15.00	14.2	210	5.500	300	295.000	8.80		
ARITH MEAN		0.004	0.005	12.22	11.2	210	1.680	300	54.077	7.83		
GEOM MEAN		0.003	0.005	11.85	11.1		1.245		21.806	7.81		
MINIMUM		0.001	0.003	6.00	8.8	210	0.690	300	4.800	7.30		
STD DEV (GEOM *)		0.004	0.001	2.82	1.7		1.735		92.776	0.59		
# SAMP IN STATISTICS		7	7	9	8	1	7	1	9	7		
% SAMP (EXCLUDED)												

( C O N T D )

MAJOR BASIN: GREAT LAKES  
MINOR BASIN: OTTAWA RIVER  
TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
006  
1170

[illegible]

B.O.W./ SITE: SCOTCH RIVER EAST  
 SAMPLE POINT: AT CONC.17 DOWNSTREAM FROM ST.ISIDORE  
 STATION TYPE: RIVER FLOW GAUGE FED 02LB012

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STATION ID: 18-2070-040-02

STORET CODE: 02  
 006  
 1170

LAT: 45 22 58.53 LONG: 074 55 31.00 U T M: 18 0505850.0 5025275.0 4 REGION: 04 DISTANCE: 48.601

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
				TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
				MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
				AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH M	PROJECT SUB-PROJ CODE							
YYMMDD	LMT										
870331	1055	25313	0.30	0101	142.7	7.1	0.0003<	15.50	386.0	0.009	0.007
870504	1130	25618	0.30	0101	197.9	0.4<T	0.0003<	23.50	475.0	0.003	0.007
870526	0935	25321	0.30	0101	206.6	NO DATA SD		23.00	507.0		
870714	0945	25326	0.30	0101	223.7	2.1	0.0030<	39.90	572.0	0.008	0.012
870727	1130	25333	0.30	0101	160.3	3.4		13.50	394.0		
871027	0825	25336	0.30	0101	236.5	1.6	0.0006	34.20	635.0	0.008	0.008
871202	0855	25341	0.30	0101	161.2	3.2	NO DATA NR	17.60	463.0	NO DATA NR	NO DATA NR
		MAXIMUM	0.30		236.5	7.1	0.0006	39.90	635.0	0.009	0.012
		ARITH MEAN	0.30		189.8	3.0<A	0.0006	23.89	490.3	0.007	0.008
		GEOM MEAN			186.9	2.2<A		22.27	483.3	0.006	0.008
		MINIMUM	0.30		142.7	0.4	0.0006	13.50	386.0	0.003	0.007
		STD DEV (GEOM *)			35.6	2.3<A		9.84	90.4	0.003	0.002
		# SAMP IN STATISTICS	7		7	6	1	7	7	4	4
		% SAMP (EXCLUDED)					75				7

*=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR
		IRON	STREAM		WATER	MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N
		UNF.TOT.	FLOW		TEMP	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	TOTAL
		MG/L	M3		DEG.C	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L
		AS FE	/S	STREAM		AS HG	AS K	AS N	AS N	AS N	AS N
SAMPLE DATE	HOUR	SAMPLE NUMBER		COND.							
YYMMDD	LMT										
870331	1055	25313	2.200	3	7.0	0.06	3.750	0.334	2.630	0.1050	1.330
870504	1130	25618	1.200	3	13.0	0.02	2.770	0.028	0.205	0.0130	0.680
870526	0935	25321		3	17.0		3.600	0.006<T	1.160	0.0135	1.050
870714	0945	25326	2.800	3	28.0		4.820	0.020	0.410	0.0700	0.860
870727	1130	25333		3	21.0		4.910	0.008<T	1.620	0.0260	0.410
871027	0825	25336	2.200	3	4.0	0.02	6.170	0.134	2.500	0.0600	1.250
871202	0855	25341	NO DATA NR	3	2.0	0.02	4.130	0.088	4.300	0.0435	1.300
		MAXIMUM	2.800		28.0	0.06	6.170	0.334	4.300	0.1050	1.330
		ARITH MEAN	2.100		13.1	0.03	4.307	0.088<A	1.832	0.0473	0.983
		GEOM MEAN	2.008		9.6	0.03	4.187	0.038<A	1.238	0.0366	0.917
		MINIMUM	1.200		2.0	0.02	2.770	0.006	0.205	0.0130	0.410
		STD DEV (GEOM *)	0.663		9.5	0.02	1.103	0.118<A	1.434	0.0336	0.349
		# SAMP IN STATISTICS	4		7	4	7	7	7	7	7
		% SAMP (EXCLUDED)									

( C O N T D )



B.O.W./ SITE: SCOTCH RIVER EAST  
 SAMPLE POINT: AT CONC.17 DOWNSTREAM FROM ST.ISIDORE  
 STATION TYPE: RIVER FLOW GAUGE FED 02LB012

STATION ID: 18-2070-040-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 22 58.53 LONG: 074 55 31.00

U T M: 18 0505850.0 5025275.0 4

REGION: 04

DISTANCE: 48.601

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT	
		LEAD		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HR	MG/L		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN	
870331	1055	25313	0.003<	7.94		0.265	81.00	0.020
870504	1130	25618	0.003<	8.47		0.078	32.00	0.001<
870526	0935	25321		8.20		0.138	54.00	
870714	0945	25326	0.030<	8.22		0.295	75.00	0.017
870727	1130	25333		7.97		0.105	64.00	
871027	0825	25336	0.003<	8.23	0.2<W	0.185	84.00	0.015
871202	0855	25341	NO DATA NR	8.01		0.288	120.00	NO DATA NR
MAXIMUM				8.47	0.2	0.295	120.00	0.020
ARITH MEAN				8.15	0.2<A	0.193	72.86	0.017
GEOM MEAN				8.15		0.173	68.07	
MINIMUM				7.94	0.2	0.078	32.00	0.015
STD DEV (GEOM *)				0.19		0.090	27.45	
# SAMP IN STATISTICS				7	1	7	7	3
% SAMP (EXCLUDED)								25

B.O.W./ SITE: SCOTCH RIVER EAST  
 SAMPLE POINT: AT CONC.19 UPSTREAM FROM ST.ISIDORE  
 STATION TYPE: RIVER

STATION ID: 18-2070-060-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 22 26.89 LONG: 074 54 28.98

U T M: 18 0507200.0 5024300.0 4

REGION: 04

DISTANCE: 51.015

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE		SAMPLE	PROJECT	TOTAL	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HOUR	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870331	1025	25312	0101	130.8	2.5	0.0003<	8.85	308.0	0.007	0.008	8.00
870504	1045	25617	0101	186.3	0.6<T	0.0020	9.20	379.0	0.001	0.007	11.00
870526	0910	25320	0101	195.6	NO DATA SD		9.35	397.0			11.00
870714	0930	25325	0101	212.4	2.7	0.0003	13.60	438.0	0.003	0.006	6.00
870727	1100	25332	0101	191.2	1.4		9.50	394.0			7.00
871027	0810	25355	0101	227.6	1.0	0.0014	18.80	517.0	0.005	0.013	11.00
871202	0820	25340	0101	151.2	2.3	NO DATA NR	10.40	364.0	NO DATA NR	NO DATA NR	12.00
MAXIMUM		0.30		227.6	2.7	0.0020	18.80	517.0	0.007	0.013	12.00
ARITH MEAN		0.30		185.0	1.7<A	0.0012	11.39	399.6	0.004	0.008	9.43
GEOM MEAN				182.2	1.5<A		10.98	395.2	0.003	0.008	9.15
MINIMUM		0.30		130.8	0.6	0.0003	8.85	308.0	0.001	0.006	6.00
STD DEV (GEOM *)				33.7	0.9<A		3.65	65.0	0.003	0.003	2.37
# SAMP IN STATISTICS		7		7	6	3	7	7	4	4	7
% SAMP (EXCLUDED)						25					

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD
SAMPLE		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	UNF.REAC	UNF.TOT.
DATE	HOUR	MG/L	STREAM	TEMP	UG/L	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870331	1025	25312	3	7.0	0.01	2.580	0.134	1.330	0.0555	0.810	0.003<
870504	1045	25617	3	12.0	0.02	1.660	0.028	0.050<T	0.0055	0.630	0.003<
870526	0910	25320	3	17.0		1.760	0.076	0.290	0.0710	0.920	
870714	0930	25325	3	26.0		2.630	0.158	0.175	0.0720	1.130	0.003<
870727	1100	25332	3	21.0		3.920	0.008<T	0.615	0.0495	0.500	
871027	0810	25355	3	4.0	0.02	3.490	0.038	1.300	0.0180	0.925	0.003<
871202	0820	25340	3	2.0		2.930	0.042	1.970	0.0230	0.875	NO DATA NR
MAXIMUM		1.700		26.0	0.02	3.920	0.158	1.970	0.0720	1.130	
ARITH MEAN		1.430		12.7	0.02	2.710	0.069<A	0.819<A	0.0421	0.827	
GEOM MEAN		1.389		9.3	0.02	2.596	0.048<A	0.473<A	0.0317	0.803	
MINIMUM		0.920		2.0	0.01	1.660	0.008	0.050	0.0055	0.500	
STD DEV (GEOM *)		0.368		9.0	0.01	0.832	0.057<A	0.724<A	0.0266	0.208	
# SAMP IN STATISTICS		4		7	3	7	7	7	7	7	
% SAMP (EXCLUDED)											

( C O N T D )

B.O.W./ SITE: SCOTCH RIVER EAST  
 SAMPLE POINT: AT CONC.19 UPSTREAM FROM ST.ISIDORE  
 STATION TYPE: RIVER

STATION ID: 18-2070-060-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 22 26.89 LONG: 074 54 28.98

U T M: 18 0507200.0 5024300.0 4

REGION: 04

DISTANCE: 51.015

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB TURB'ITY	ZNUT ZINC UNF.TOT.	
DATE	HR	SAMPLE	UG/L	MG/L	FTU	MG/L	
YYMMDD	LMT	NUMBER	PH	PHENOL	AS P	AS ZN	
870331	1025	25312	8.02	0.2<T	0.156	67.00	0.017
870504	1045	25617	8.51	0.2<T	0.057	15.60	0.001<
870526	0910	25320	8.22	NO DATA NR	0.125	39.00	
870714	0930	25325	8.12	0.2<W	0.315	41.00	0.043
870727	1100	25332	8.20	NO DATA NR	0.152	NO DATA IS	
871027	0810	25355	8.23	0.2<W	0.103	4.30	0.022
871202	0820	25340	8.02		0.160	85.00	NO DATA NR
MAXIMUM		8.51	0.2	0.315	85.00	0.043	
ARITH MEAN		8.19	0.2<A	0.153	41.98	0.027	
GEOM MEAN		8.19	0.2<A	0.136	29.13		
MINIMUM		8.02	0.2	0.057	4.30	0.017	
STD DEV (GEOM *)		0.17	0.0<A	0.080	30.34		
# SAMP IN STATISTICS		7	4	7	6	3	
% SAMP (EXCLUDED)						25	

B.O.W./ SITE: SOUTH NATION RIVER  
 SAMPLE POINT: AT DAM DOWNSTREAM OF CASSELMAN  
 STATION TYPE: RIVER FLOW GAUGE FED 02LB013

STATION ID: 18-2070-100-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 19 06.78 LONG: 075 05 35.29 U T M: 18 0492700.0 5018125.0 4 REGION: 04 DISTANCE: 62.763

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
SAMPLE		SAMPLE	PROJECT	ALK	TOT.DEM.	UNF.TOT.	UNF.REAC	UMHO/CM	UNF.TOT.	UNF.TOT.	UNF.TOT.	
DATE	HR	DEPTH	SUB-PROJ	TOTAL	MG/L	MG/L	MG/L	AT 25 C	MG/L	MG/L	MG/L	
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-		AS CR	AS CU	AS O	
870310	1140	25309	0.30	0101	283.4	NO DATA IS	0.0003<	38.40	668.0	0.001<	0.350	6.00
870504	1200	25319	0.30	0101	233.0	0.7<T	0.0003<	25.10	550.0	0.001	0.008	9.00
870526	1145	25324	0.30	0101	233.2	NO DATA SD	NO DATA BT	24.40	557.0	NO DATA BT	NO DATA BT	10.00
870714	1205	25329	0.30	0101	218.7	1.4	0.0003<	37.80	578.0	0.001<	0.006	10.00
870727	1200	25334	0.30	0101	160.0	2.9		22.10	438.0			5.00
871027	1120	25339	0.30	0101	245.9	1.3	0.0003	38.30	694.0	0.005	0.003	10.00
871202	1225	25344	0.30	0101	150.5	2.8	0.0003<	17.60	442.0	0.020<	0.025	12.00
MAXIMUM		0.30			283.4	2.9	0.0003	38.40	694.0	0.005	0.350	12.00
ARITH MEAN		0.30			217.8	1.8<A	0.0003	29.10	561.0	0.003	0.078	8.86
GEOM MEAN					213.1	1.6<A		27.93	553.4		0.017	8.51
MINIMUM		0.30			150.5	0.7	0.0003	17.60	438.0	0.001	0.003	5.00
STD DEV (GEOM *)					47.3	1.0<A		8.81	99.0		0.152	2.48
# SAMP IN STATISTICS		7			7	5	1	7	7	2	5	7
% SAMP (EXCLUDED)							80			60		

*=INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	
		IRON	STREAM			MERCURY	POTASSIM	NNHTFR	NNOTFR	NNO2FR	NNTKUR	
SAMPLE		UNF.TOT.	FLOW		WATER	UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	
DATE	HR	MG/L	M3	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	AS FE	/S	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	
870310	1140	25309	0.420	12.000	4	1.0	0.01	3.480	0.280	0.975	0.0105	0.280
870504	1200	25319	0.560		3	12.0	0.01	2.990	0.076	0.425	0.0155	0.990
870526	1145	25324	NO DATA BT		3	19.0	0.01	2.900	0.104	0.100	0.0490	0.920
870714	1205	25329	0.390		3	30.0		2.720	0.048	0.035<T	0.0055	0.610
870727	1200	25334		46.700	3	21.0		6.100	0.064	1.760	0.1680	0.400
871027	1120	25339	0.640		3	8.0	0.02	4.840	0.088	0.670	0.0170	0.830
871202	1225	25344	2.400	147.000	3	2.0		4.480	0.076	3.850	0.0290	1.230
MAXIMUM		2.400	147.000			30.0	0.02	6.100	0.280	3.850	0.1680	1.230
ARITH MEAN		0.882	68.567			13.3	0.01	3.930	0.105	1.116<A	0.0421	0.751
GEOM MEAN		0.676	43.512			8.1	0.01	3.772	0.089	0.488<A	0.0232	0.675
MINIMUM		0.390	12.000			1.0	0.01	2.720	0.048	0.035	0.0055	0.280
STD DEV (GEOM *)		0.855	70.106			10.6	0.00	1.255	0.079	1.341<A	0.0574	0.338
# SAMP IN STATISTICS		5	3			7	4	7	7	7	7	7
% SAMP (EXCLUDED)												

( C O N T D )

B.O.W./ SITE: SOUTH NATION RIVER  
 SAMPLE POINT: AT DAM DOWNSTREAM OF CASSELMAN  
 STATION TYPE: RIVER FLOW GAUGE FED 02LB013

STATION ID: 18-2070-100-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 19 06.78 LONG: 075 05 35.29 U T M: 18 0492700.0 5018125.0 4 REGION: 04 DISTANCE: 62.763

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT	
		LEAD		PHENOLS	PHOSPHOR		ZINC	
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HR	MG/L		UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN	
870310	1140	25309	0.003<	8.45	0.4<T	0.006<T	9.30	0.034
870504	1200	25319	0.003<	8.42	0.2<T	0.087	8.70	0.001<
870526	1145	25324	NO DATA BT	8.39	0.4<T	0.073	13.00	NO DATA BT
870714	1205	25329	0.003<	8.57	0.2<W	0.057	2.60	0.005
870727	1200	25334		8.03	NO DATA NR	0.094	34.00	
871027	1120	25339	0.004	8.34	0.2<W	0.091	19.00	0.009
871202	1225	25344	0.060<	7.96		0.198	59.00	0.030
MAXIMUM		0.004	8.57	0.4	0.198	59.00	0.034	
ARITH MEAN		0.004	8.31	0.3<A	0.087<A	20.80	0.019	
GEOM MEAN			8.31	0.3<A	0.062<A	13.98		
MINIMUM		0.004	7.96	0.2	0.006	2.60	0.005	
STD DEV (GEOM *)			0.23	0.1<A	0.058<A	19.61		
# SAMP IN STATISTICS		1	7	5	7	7	4	
% SAMP (EXCLUDED)		80					20	

B.O.W./ SITE: SOUTH NATION RIVER  
 SAMPLE POINT: AT DAM CHESTERVILLE  
 STATION TYPE: RIVER FLOW GAUGE FED 02LB009

STATION ID: 18-2070-110-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 06 04.31 LONG: 075 13 36.74 U T M: 18 0482150.0 4994000.0 4 REGION: 04 DISTANCE: 93.339

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
				ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
				TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN	
				MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	
				AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O	
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE								
870407	0900	25376	0.30	0101	180.5	0.5<T	0.0003<	14.20	426.0	0.002	0.001	7.00
870505	0930	25377	0.30	0101	220.7	0.9<T	0.0003<	17.20	472.0	0.001	0.001	4.00
870609	0930	25378	0.30	0101	230.8	0.3<T	0.0007	18.25	529.0	0.001	0.016	7.00
870805	1115	25380	0.30	0101	239.8	2.3	0.0003<	25.95	602.0	0.001<	0.007	7.00
870915	0900	25381	0.30	0101	212.8	2.9	NO DATA BT	28.40	580.0	NO DATA BT	NO DATA BT	10.00
871006		25382	0.30	0101	225.4	1.4	NO DATA RE	32.00	630.0	NO DATA RE	NO DATA RE	9.00
871110		25383	0.30	0101	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	11.00
871215	0900	25384	0.30	0101	178.1	1.0<T	NO DATA BT	16.00	491.0	NO DATA BT	NO DATA BT	12.00
MAXIMUM		0.30			239.8	2.9	0.0007	32.00	630.0	0.002	0.016	12.00
ARITH MEAN		0.30			212.6	1.3<A	0.0007	21.71	532.9	0.001	0.006	8.37
GEOM MEAN					211.3	1.0<A		20.80	528.3		0.003	7.97
MINIMUM		0.30			178.1	0.3	0.0007	14.20	426.0	0.001	0.001	4.00
STD DEV (GEOM *)					24.2	1.0<A		6.95	74.5		0.007	2.62
# SAMP IN STATISTICS		8			7	7	1	7	7	3	4	8
% SAMP (EXCLUDED)							75			25		

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD	
		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	FIL.REAC	UNF.TOT.	
		MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
		AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB	
SAMPLE DATE	YMMDD LMT	SAMPLE NUMBER										
870407	0900	25376	0.980		8.0	0.06	2.450	0.050	1.590	0.0185	0.750	0.004
870505	0930	25377	0.610	8	11.0	0.04	1.810	0.014	0.195	0.0095	0.800	0.003<
870609	0930	25378	0.460	8	19.0		1.430	0.118	1.200	0.0780	1.060	0.003<
870805	1115	25380	0.430	8	24.0	0.12	4.260	0.042	0.495	0.0350	1.020	0.003
870915	0900	25381	NO DATA BT	8	19.0	0.51	4.180	0.028	0.045<T	0.0040<T	0.910	NO DATA BT
871006		25382	NO DATA RE	8	13.0	0.66	4.790	0.072	0.025<T	0.0030<T	0.790	NO DATA RE
871110		25383	NO DATA BT	8	3.0	0.11	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA IS	NO DATA BT
871215	0900	25384	NO DATA BT	8	2.0		2.230	0.018	2.540	0.0145	0.800	NO DATA BT
MAXIMUM		0.980			24.0	0.66	4.790	0.118	2.540	0.0780	1.060	0.004
ARITH MEAN		0.620			12.4	0.25	3.021	0.049	0.870<A	0.0232<A	0.876	0.003
GEOM MEAN		0.586			9.4	0.15	2.756	0.039	0.340<A	0.0135<A	0.869	
MINIMUM		0.430			2.0	0.04	1.430	0.014	0.025	0.0030	0.750	0.003
STD DEV (GEOM *)		0.253			7.9	0.27	1.351	0.036	0.949<A	0.0265<A	0.123	
# SAMP IN STATISTICS		4			8	6	7	7	7	7	7	2
% SAMP (EXCLUDED)												50

( C O N T D )

B.O.W./ SITE: SOUTH NATION RIVER  
 SAMPLE POINT: AT DAM CHESTERVILLE  
 STATION TYPE: RIVER FLOW GAUGE FED 02LB009

STATION ID: 18-2870-110-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 06 04.31 LONG: 075 13 36.74 U T M: 18 0482150.0 4994000.0 4 REGION: 04 DISTANCE: 93.339

*=INTERIM TEST-NAME:		PH	PHNOL	PPUT	TURB	ZNUT	
			PHENOLS	PHOSPHOR		ZINC	
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.	
DATE	HOUR	SAMPLE	UG/L	MG/L	TURB'ITY	MG/L	
YYMMDD	LMT	NUMBER	PHENOL	AS P	FTU	AS ZN	
870407	0900	25376	8.05	0.2<W	0.077	28.00	0.011
870505	0930	25377	8.37	0.2<W	0.062	14.70	0.001<
870609	0930	25378	8.25	0.2<T	0.065	11.30	0.054
870805	1115	25380	8.48	0.2<W	0.072	12.20	0.021
870915	0900	25381	8.34		0.135	14.50	NO DATA BT
871006		25382	8.46	0.2<W	0.058	4.30	NO DATA RE
871110		25383	NO DATA BT		NO DATA BT	NO DATA BT	NO DATA BT
871215	0900	25384	8.01		0.042	11.60	NO DATA BT
MAXIMUM		8.48	0.2	0.135	28.00	0.054	
ARITH MEAN		8.28	0.2<A	0.073	13.80	0.029	
GEOM MEAN		8.28	0.2<A	0.069	12.23		
MINIMUM		8.01	0.2	0.042	4.30	0.011	
STD DEV (GEOM *)		0.19	0.0<A	0.030	7.15		
# SAMP IN STATISTICS		7	5	7	7	3	
% SAMP (EXCLUDED)						25	

B.O.W./ SITE: CASTOR RIVER  
 SAMPLE POINT: AT CONC RD.NO.5 RUSSELL TWP.  
 STATION TYPE: RIVER

STATION ID: 18-2070-140-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 15 56.65 LONG: 075 18 32.78 U T M: 18 0475750.0 5012300.0 4 REGION: 04 DISTANCE: 82.396

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	COND25	CUUT	DO	FWSTRC	FWTEMP	HGUT	PBUT
				ALK	CONDUCT.	COPPER	DISOLVED			MERCURY	LEAD
SAMPLE		SAMPLE	PROJECT	TOTAL	25C	UNF.TOT.	OXYGEN		WATER	UNF.TOT.	UNF.TOT.
DATE	HR	DEPTH	SUB-PROJ	MG/L	UMHO/CM	MG/L	MG/L	STREAM	TEMP	UG/L	MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AT 25 C	AS CU	AS O	COND.	DEG.C	AS HG	AS PB
870310	1100	24308	0101	213.4	640.0	0.006	4.00	4	1.0	0.03	0.006
870331	0855	25311	0101	179.0	471.0	0.010	10.00	3	7.0	0.01	0.003<
870504	0910	25316	0101	242.2	587.0	0.008	11.00	3	11.0	0.02	0.300
870526	1115	25323	0101	244.6	592.0	0.005	10.00	3	18.0		0.003<
870714	1140	25328	0101	215.4	579.0	0.006	7.00	3	30.0		0.003<
870727	0930	25331	0101	158.1	440.0	NO DATA NR	8.00	3	21.0	0.05	NO DATA NR
871027	1040	25338	0101	261.9	736.0	0.025	12.00	3	6.0	0.01	0.003<
871202	1010	25343	0101	179.0	513.0	0.004	14.00	3	2.0		0.003<
MAXIMUM		0.30		261.9	736.0	0.025	14.00		30.0	0.05	0.300
ARITH MEAN		0.30		211.7	569.7	0.009	9.50		12.0	0.02	0.153
GEOM MEAN				208.8	562.9	0.008	8.96		7.5	0.02	
MINIMUM		0.30		158.1	440.0	0.004	4.00		1.0	0.01	0.006
STD DEV (GEOM *)				37.0	95.1	0.007	3.12		10.2	0.02	
# SAMP IN STATISTICS		8		8	8	7	8		8	5	2
% SAMP (EXCLUDED)											71

*=INTERIM TEST-NAME:		PH	PHNOL	PPUT	TURB	ZNUT
			PHENOLS	PHOSPHOR		ZINC
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HR		UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	NUMBER	PHENOL	AS P	FTU	AS ZN
870310	1100	24308	7.86	0.6<T	0.006<T	11.50
870331	0855	25311	8.01	NO DATA NR	0.138	27.00
870504	0910	25316	8.32	0.2<T	0.030	17.00
870526	1115	25323	8.29	NO DATA NR	0.053	18.70
870714	1140	25328	8.38	0.2<W	0.113	24.00
870727	0930	25331	8.02	0.2<T	0.034	34.00
871027	1040	25338	8.31	0.2<W	0.026	13.30
871202	1010	25343	8.06		0.120	30.00
MAXIMUM		8.38	0.6	0.138	34.00	0.026
ARITH MEAN		8.16	0.3<A	0.065<A	21.94	0.016
GEOM MEAN		8.15	0.2<A	0.045<A	20.58	0.014
MINIMUM		7.86	0.2	0.006	11.50	0.007
STD DEV (GEOM *)		0.19	0.2<A	0.051<A	8.10	0.007
# SAMP IN STATISTICS		8	5	8	8	7
% SAMP (EXCLUDED)						



B.O.W./ SITE: CASTOR RIVER  
 SAMPLE POINT: AT CONC.RD.NO.3 RUSSELL TWP.  
 STATION TYPE: RIVER FLOW GAUGE FED.02LB006

STATION ID: 18-2070-145-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 15 43.19 LONG: 075 21 22.48

U T M: 18 0472050.0 5011900.0 4

REGION: 04

DISTANCE: 85.615

*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO		
SAMPLE DATE	YMMDD	YMMDD	HHMM	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	BOD 5 DAY TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O
870310	1040	25307	0.30	0101	208.2	1.8	NO DATA BT	61.50	632.0	NO DATA BT	NO DATA BT	5.00		
870331	0835	25310	0.30	0101	181.2	2.7	NO DATA IS	22.30	477.0	NO DATA IS	NO DATA IS	11.00		
870504	0845	25315	0.30	0101	242.4	0.8<T	0.0003<	26.70	579.0	0.001	0.003	13.00		
870526	1100	25322	0.30	0101	244.1	NO DATA SD	28.05	588.0				8.00		
870714	1120	25327	0.30	0101	214.9	1.8	0.0030<	27.60	543.0	0.005<	0.003<	9.00		
870727	0900	25330	0.30	0101	159.1	5.3	NO DATA NR	20.15	439.0	NO DATA NR	NO DATA NR	7.00		
871027	1030	25337	0.30	0101	263.2	1.0	0.0003	40.70	735.0	0.005	0.003	14.00		
871202	1050	25342	0.30	0101	180.9	2.5	NO DATA NR	24.20	518.0	NO DATA NR	NO DATA NR	11.00		

MAXIMUM	0.30	263.2	5.3	0.0003	61.50	735.0	0.005	0.003	14.00
ARITH MEAN	0.30	211.7	2.3<A	0.0003	31.40	563.9	0.003	0.003	9.75
GEOM MEAN		209.0	1.9<A		29.43	557.4			9.29
MINIMUM	0.30	159.1	0.8	0.0003	20.15	439.0	0.001	0.003	5.00
STD DEV (GEOM *)		36.5	1.5<A		13.64	92.9			3.06
# SAMP IN STATISTICS	8	8	7	1	8	8	2	2	8
% SAMP (EXCLUDED)			66				33	33	

*=INTERIM		TEST-NAME:	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	
SAMPLE DATE	YMMDD	YMMDD	HHMM	SAMPLE NUMBER	IRON UNF.TOT. MG/L AS FE	STREAM FLOW M3 /S	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	NH3-N TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	K'DAHL N TOTAL UNF.REAC MG/L AS N
870310	1040	25307	NO DATA BT	2.910	4	1.0	0.02	3.200	0.290	1.390	0.0190	0.210	
870331	0835	25310	NO DATA IS	32.800	3	8.0		3.330	0.124	1.770	0.0530	0.920	
870504	0845	25315	0.700	2.310	3	12.0	0.01	2.200	0.018	0.215	0.0085	0.690	
870526	1100	25322		1.290	3	18.0		2.320	0.032	0.235	0.0260	0.690	
870714	1120	25327	0.220	0.691	3	31.0		3.370	0.100	1.270	0.0470	1.010	
870727	0900	25330	NO DATA NR	10.500	3	21.0	0.01	4.820	0.022	1.910	0.0840	0.330	
871027	1030	25337	0.460	2.660	3	6.0	0.01	3.880	0.014	1.060	0.0125	0.730	
871202	1050	25342	NO DATA NR	22.500	3	2.0	0.02	3.990	0.044	2.330<=>	0.0185	0.925	

MAXIMUM	0.700	32.800	31.0	0.02	4.820	0.290	2.330	0.0840	1.010
ARITH MEAN	0.460	9.458	12.4	0.01	3.389	0.080	1.272	0.0336	0.688
GEOM MEAN	0.414	4.330	7.8	0.01	3.289	0.048	0.964	0.0259	0.616
MINIMUM	0.220	0.691	1.0	0.01	2.200	0.014	0.215	0.0085	0.210
STD DEV (GEOM *)	0.240	11.951	10.4	0.01	0.866	0.094	0.758	0.0258	0.286
# SAMP IN STATISTICS	3	8	8	5	8	8	8	8	8
% SAMP (EXCLUDED)									

( C O N T D )

B.O.W./ SITE: CASTOR RIVER  
 SAMPLE POINT: AT CONC.RD.NO.3 RUSSELL TWP.  
 STATION TYPE: RIVER FLOW GAUGE FED.02LB006

STATION ID: 18-2070-145-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: SOUTH NATION RIVER

STORET CODE: 02  
 006  
 1170

LAT: 45 15 43.19 LONG: 075 21 22.48

U T M: 18 0472050.0 5011900.0 4

REGION: 04

DISTANCE: 85.615

*INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT
		LEAD		PHENOLS	PHOSPHOR		ZINC
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HOUR	MG/L		UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN
870310	1040	25307 NO DATA BT	7.95		0.059	19.70	NO DATA BT
870331	0835	25310 NO DATA IS	8.02		0.161	31.00	NO DATA IS
870504	0845	25315 0.003<	8.45		0.036	13.60	0.001<
870526	1100	25322	8.46		0.036	9.30	
870714	1120	25327 0.030<	8.65		0.076	8.80	0.005
870727	0900	25330 NO DATA NR	7.91		0.046	33.00	NO DATA NR
871027	1030	25337 0.003<	8.39	0.2<W	0.028	12.50	0.005
871202	1050	25342 NO DATA NR	8.04		0.112	27.00	NO DATA NR
MAXIMUM			8.65	0.2	0.161	33.00	0.005
ARITH MEAN			8.23	0.2<A	0.069	19.36	0.005
GEOM MEAN			8.23		0.058	17.17	
MINIMUM			7.91	0.2	0.028	8.80	0.005
STD DEV (GEOM *)			0.28		0.046	9.81	
# SAMP IN STATISTICS			8	1	8	8	2
% SAMP (EXCLUDED)							33

B.O.W./ SITE: CARP RIVER  
 SAMPLE POINT: FIRST ROAD BRIDGE DNSTR OF CARP  
 STATION TYPE: RIVER

STATION ID: 18-3370-101-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: CARP RIVER

STORET CODE: 02  
 006  
 2490

LAT: 45 21 04.64 LONG: 076 03 20.62 U T M: 18 0417300.0 5022300.0 4 REGION: 04 DISTANCE: 21.440

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD							
					5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
					TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN	
					MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	
					AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O	
SAMPLE	DATE HOUR	SAMPLE	DEPTH	PROJECT	ALK							
DATE	YMMDD LMT	NUMBER	M	SUB-PROJ	TOTAL							
				CODE	MG/L							
					AS CAC03							
870302	1525	16555	0.30	0101	99.9	3.8	0.0030<	85.50	776.0	0.005<	0.004	8.80
870331	1410	16568	0.30	0101	137.4	1.6	0.0003<	22.70	359.0	0.002	0.002	10.90
870609	1240	16581	0.30	0101	2.4	NO DATA LA	0.0003<	NO DATA LA	1.8<T	0.001	0.001	7.80
870818	1135	16594	0.30	0101	192.3	0.8<T	0.0003<	75.00	644.0	0.003	0.001<	6.10
870831	1745	16607	0.30	0101	186.7	0.9<T	NO DATA NR	79.50	666.0	NO DATA NR	NO DATA NR	6.10
871027	1145	16620	0.30	0101	235.1	0.4<T	0.0003<	75.50	733.0	0.004	0.001	11.80
871117	0830	16633	0.30	0101	238.1	0.8<T	0.0003<	63.80	703.0	0.003	0.001<	12.00
871215	0830	16646	0.30	0101	84.2	1.0<T	0.0003<	43.30	211.0	0.003	0.002	12.90
		MAXIMUM	0.30		238.1	3.8		85.50	776.0	0.004	0.004	12.90
		ARITH MEAN	0.30		147.0	1.3<A		63.61	511.7<A	0.003	0.002	9.55
		GEOM MEAN			93.0	1.0<A		58.74	263.7<A			9.19
		MINIMUM	0.30		2.4	0.4		22.70	1.8	0.001	0.001	6.10
		STD DEV (GEOM *)			81.8	1.1<A		22.69	285.5<A			2.71
		# SAMP IN STATISTICS	8		8	7		7	8	6	5	8
		% SAMP (EXCLUDED)								14	28	
*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N		
		UNF.TOT.			UNF.TOT.	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	TOTAL	LEAD	
		MG/L			UG/L	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.	
		AS FE	STREAM	WATER	AS HG	AS K	MG/L	MG/L	MG/L	MG/L	MG/L	
		COND.	TEMP	DEG.C			AS N	AS N	AS N	AS N	AS PB	
SAMPLE	DATE HOUR	SAMPLE										
DATE	YMMDD LMT	NUMBER										
870302	1525	16555	0.310	4	0.5		2.260	0.380	0.680	0.0150	0.670	0.030<
870331	1410	16568	1.400	3	4.0		2.730	0.124	0.955	0.0185	0.850	0.004
870609	1240	16581	0.390	8	16.0		0.010<W	NO DATA LA	NO DATA LA	NO DATA LA	NO DATA LA	0.003<
870818	1135	16594	0.220	7 8	25.0		4.170	0.006<T	0.290	0.1090	0.640	0.003<
870831	1745	16607	NO DATA NR	7 8 0	19.5	0.05	8.420	0.102	0.320	0.0455	0.650	NO DATA NR
871027	1145	16620	0.170	8			3.480	0.032	0.405	0.0070	0.540	0.003<
871117	0830	16633	0.180	8	2.0	0.02	2.460	0.022	0.405	0.0075	0.470	0.003<
871215	0830	16646	0.330	8	0.5	0.01	1.960	0.030	1.130	0.0130	0.580	0.003<
		MAXIMUM	1.400		25.0	0.05	8.420	0.380	1.130	0.1090	0.850	0.004
		ARITH MEAN	0.429		9.6	0.03	3.186<A	0.099<A	0.598	0.0308	0.629	0.004
		GEOM MEAN	0.324		4.0	0.02	1.567<A	0.048<A	0.526	0.0191	0.619	
		MINIMUM	0.170		0.5	0.01	0.010	0.006	0.290	0.0070	0.470	0.004
		STD DEV (GEOM *)	0.436		10.3	0.02	2.439<A	0.131<A	0.333	0.0369	0.120	
		# SAMP IN STATISTICS	7		7	3	8	7	7	7	7	1
		% SAMP (EXCLUDED)										85

( C O N T D )

B.O.W./ SITE: CARP RIVER  
 SAMPLE POINT: FIRST ROAD BRIDGE DNSTR OF CARP  
 STATION TYPE: RIVER

STATION ID: 18-3370-101-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: CARP RIVER

STORET CODE: 02  
 006  
 2490

LAT: 45 21 04.64 LONG: 076 03 20.62 U T M: 18 0417300.0 5022300.0 4 REGION: 04 DISTANCE: 21.440

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB TURB'ITY	ZNUT ZINC UNF.TOT.
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	PH	UG/L PHENOL	MG/L AS P	MG/L AS ZN
870302	1525	16555	7.72		0.042	4.60
870331	1410	16568	8.16		0.144	31.00
870609	1240	16581	6.29		NO DATA LA	NO DATA LA
870818	1135	16594	8.09	0.2<W	0.134	4.30
870831	1745	16607	8.03	0.2<W	0.380	4.60
871027	1145	16620	8.20		0.029	5.30
871117	0830	16633	8.38	1.0	0.038	3.40
871215	0830	16646	8.28	0.4<T	0.053	6.00
MAXIMUM		8.38	1.0	0.380	31.00	0.130
ARITH MEAN		7.89	0.4<A	0.117	8.46	0.044
GEOM MEAN		7.87	0.4<A	0.078	6.07	0.031
MINIMUM		6.29	0.2	0.029	3.40	0.012
STD DEV (GEOM *)		0.68	0.4<A	0.125	9.97	0.042
# SAMP IN STATISTICS		8	4	7	7	7
% SAMP (EXCLUDED)						

B.O.W./ SITE: CARP RIVER  
 SAMPLE POINT: FIRST ROAD BRIDGE DNSTR OF KINBURN  
 STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: CARP RIVER

STATION ID: 18-3370-121-02

STORET CODE: 02  
 006  
 2490

LAT: 45 25 02.60 LONG: 076 11 55.77 U T M: 18 0406200.0 5029800.0 4 REGION: 04 DISTANCE: 8.320

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT. 25C	CHROMIUM	COPPER	DISOLVED
SAMPLE DATE	HOUR	SAMPLE DEPTH	PROJECT SUB-PROJ	ALK TOTAL MG/L	TOT.DEM. MG/L	UNF.TOT. MG/L	UNF.REAC MG/L	UMHO/CM AT 25 C	UNF.TOT. MG/L	UNF.TOT. MG/L	OXYGEN MG/L
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-		AS CR	AS CU	AS O
870302	1430	16554	0101	268.1	0.7<T	0.0030<	60.00	712.0	0.005<	0.006	6.40
870331	1305	16567	0101	153.5	1.5	0.0003<	26.20	399.0	0.003	0.003	10.10
870609	1145	16580	0101	213.4	1.4	NO DATA SM	42.40	538.0	NO DATA SM	NO DATA SM	8.40
870818	1100	16593	0101	170.1	0.7<T	0.0003<	65.50	565.0	0.002	0.001	7.10
870831	1750	16606	0101	163.6	0.3<T	NO DATA NR	72.00	584.0	NO DATA NR	NO DATA NR	7.50
871027	1100	16619	0101	225.8	0.5<T	0.0003<	77.40	719.0	0.004	0.002	11.00
871117	0800	16632	0101	235.0	1.2	0.0020	64.40	696.0	0.003	0.001	13.40
871215	0930	16645	0101	205.2	0.7<T	0.0003<	45.70	581.0	0.003	0.002	12.60
MAXIMUM		0.30		268.1	1.5	0.0020	77.40	719.0	0.004	0.006	13.40
ARITH MEAN		0.30		204.3	0.9<A	0.0020	56.70	599.2	0.003	0.002	9.56
GEOM MEAN				201.0	0.8<A		53.93	589.9		0.002	9.25
MINIMUM		0.30		153.5	0.3	0.0020	26.20	399.0	0.002	0.001	6.40
STD DEV (GEOM *)				39.6	0.4<A		17.18	108.2		0.002	2.62
# SAMP IN STATISTICS		8		8	8	1	8	8	5	6	8
% SAMP (EXCLUDED)						83			16		

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
SAMPLE DATE	HOUR	UNF.TOT. MG/L	STREAM	WATER TEMP	UNF.TOT. UG/L	UNF.REAC MG/L	TOTAL MG/L	FIL.REAC MG/L	FIL.REAC MG/L	UNF.REAC MG/L	UNF.TOT. MG/L
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870302	1430	0.300	4			2.640	0.422	0.825	0.0170	0.760	0.030<
870331	1305	1.400	3	4.0		3.030	0.112	1.510	0.0240	0.800	0.005
870609	1145	NO DATA SM	8	17.5		2.290	0.022	0.725	0.1170	0.680	NO DATA SM
870818	1100	0.080	7	24.0		3.320	0.076	0.020<T	0.0080	0.760	0.003<
870831	1750	NO DATA NR	7	20.0	0.08	3.470	0.054	0.020<W	0.0030<T	0.680	NO DATA NR
871027	1100	0.350	8			4.120	0.020	0.030<T	0.0035<T	0.510	0.003<
871117	0800	0.280	8	3.0	0.02	3.020	0.014	0.390	0.0060	0.490	0.003<
871215	0930	0.380	8	1.0	0.01<	2.500	0.018	1.400	0.0105	0.560	0.004
MAXIMUM		1.400		24.0	0.08	4.120	0.422	1.510	0.1170	0.800	0.005
ARITH MEAN		0.465		11.6	0.05	3.049	0.092	0.615<A	0.0236<A	0.655	0.004
GEOM MEAN		0.328		6.8		3.000	0.046	0.222<A	0.0112<A	0.645	
MINIMUM		0.080		1.0	0.02	2.290	0.014	0.020	0.0030	0.490	0.004
STD DEV (GEOM *)		0.470		10.0		0.591	0.138	0.606<A	0.0384<A	0.120	
# SAMP IN STATISTICS		6		6	2	8	8	8	8	8	2
% SAMP (EXCLUDED)					33						66

( C O N T D )

B.O.W./ SITE: CARP RIVER  
 SAMPLE POINT: FIRST ROAD BRIDGE DNSTR OF KINBURN  
 STATION TYPE: RIVER

STATION ID: 18-3370-121-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: CARP RIVER

STORET CODE: 02  
 006  
 2490

LAT: 45 25 02.60 LONG: 076 11 55.77

U T M: 18 0406200.0 5029800.0 4

REGION: 04

DISTANCE: 8.320

* = INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB TURB'ITY	ZNUT ZINC UNF.TOT.
DATE	HOUR	SAMPLE NUMBER	UG/L PHENOL	MG/L AS P	FTU	MG/L AS ZN
YYMMDD	LMT					
870302	1430	16554	7.88	0.056	6.80	0.028
870331	1305	16567	8.21	0.117	32.00	0.014
870609	1145	16580	8.30	0.077	4.70	NO DATA SM
870818	1100	16593	8.23	0.084	2.20	0.018
870831	1750	16606	8.20	0.076	2.90	NO DATA NR
871027	1100	16619	8.29	0.041	9.90	0.006
871117	0800	16632	8.42	0.025	6.60	0.011
871215	0930	16645	8.37	0.054	8.80	0.008
MAXIMUM			8.42	0.2	32.00	0.028
ARITH MEAN			8.24	0.2<A	9.24	0.014
GEOM MEAN			8.24	0.2<A	6.63	0.012
MINIMUM			7.88	0.2	2.20	0.006
STD DEV (GEOM *)			0.16	0.0<A	9.58	0.008
# SAMP IN STATISTICS			8	5	8	6
% SAMP (EXCLUDED)						

B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: AT RAILWAY BRIDGE NORTH GALETTA  
 STATION TYPE: RIVER

STATION ID: 18-3430-030-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 25 23.20 LONG: 076 15 09.47

U T M: 18 0402000.0 5030500.0 4

REGION: 04

DISTANCE: 3.701

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CDUT	CLIDUR	COND25	
							BOD 5 DAY					
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	TOT.DEM. MG/L AS O	CALCIUM UNF.REAC MG/L AS CA	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C
870302	1230	16552	0.30	0101	101.1	0.058	0.001<	0.1<W	33.40	0.0003<	5.10	228.0
870331	1200	16565	0.30	0101	106.2	0.960	0.001<	1.1	33.80	0.0003<	9.40	254.0
870609	1030	16578	0.30	0101	104.6	NO DATA SM	NO DATA SM	1.1	31.80	NO DATA SM	6.45	232.0
870818	1010	16591	0.30	0101	99.2	0.096	0.004	0.5<T	28.50	0.0003<	4.80	214.0
870831	1600	16604	0.30	0101	97.3	NO DATA NR	NO DATA NR	0.3<T	28.20	NO DATA NR	4.95	214.0
871027	0950	16617	0.30	0101	97.6	0.130	0.001<	0.4<T	30.10	0.0003<	5.80	222.0
871117	1030	16630	0.30	0101	102.9	0.089	0.001<	0.9<T	33.70	0.0003<	7.00	239.0
871215	1140	16643	0.30	0101	108.6	0.200	0.001<	0.9<T	36.60	0.0003<	7.60	256.0
MAXIMUM		0.30			108.6	0.960	0.004	1.1	36.60		9.40	256.0
ARITH MEAN		0.30			102.2	0.255	0.004	0.7<A	32.01		6.39	232.4
GEOM MEAN					102.1	0.152		0.5<A	31.90		6.23	231.9
MINIMUM		0.30			97.3	0.058	0.004	0.1	28.20		4.80	214.0
STD DEV (GEOM *)					4.1	0.349		0.4<A	2.92		1.58	16.4
# SAMP IN STATISTICS		8			8	6	1	8	8		8	8
% SAMP (EXCLUDED)							83					

*INTERIM TEST-NAME:		CRUT	CUUT	DO	DOC	FEUT	FWSTRC	FWTEMP	HGUT	IONCAL	KKUR
					CARBON DISOLVED ORGANIC						
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	ION BALANCE CALC.	POTASSIM UNF.REAC MG/L AS K
870302	1230	16552	0.001<	0.001<W	13.80	6.7	0.170	4	1.0	NE YET	1.400
870331	1200	16565	0.001	0.003	12.30	6.4	1.100	3	3.0	NE YET	1.980
870609	1030	16578	NO DATA SM	NO DATA SM	8.20	6.8	NO DATA SM	9	19.5	0.19	1.290
870818	1010	16591	0.002	0.001	8.00	6.7	0.120	8	24.0	NO DATA SS	0.770
870831	1600	16604	NO DATA NR	NO DATA NR	8.00	6.7	NO DATA NR	8	20.5	0.06	0.790
871027	0950	16617	0.002	0.001<	10.90	6.6	0.120	8		NO DATA SS	1.440
871117	1030	16630	0.002	0.001<	12.80	6.6	0.110	8	3.0	0.02	1.440
871215	1140	16643	0.002	0.001<	14.50	7.0	0.170	8	1.0	0.01<	1.540
MAXIMUM		0.002	0.003	14.50	7.0	1.100		24.0	0.19	5.702	1.980
ARITH MEAN		0.002	0.002<A	11.06	6.7	0.298		10.3	0.09	3.490	1.331
GEOM MEAN				10.76	6.7	0.192		5.1		3.124	1.274
MINIMUM		0.001	0.001	8.00	6.4	0.110		1.0	0.02	1.730	0.770
STD DEV (GEOM *)				2.69	0.2	0.394		10.5		1.744	0.397
# SAMP IN STATISTICS		5	3	8	8	6		7	3	5	8
% SAMP (EXCLUDED)		16	50						25		

( C O N T D )

B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: AT RAILWAY BRIDGE NORTH GALETTA  
 STATION TYPE: RIVER

STATION ID: 18-3430-030-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 25 23.20 LONG: 076 15 09.47

U T M: 18 0402000.0 5030500.0 4

REGION: 04

DISTANCE: 3.701

*=INTERIM TEST-NAME:		MGUR	MNUT	NAUR	NIUT	NNHTFR NH3-N	NNOTFR	NN02FR	NNTKUR K'DAHL N	PBUT	PH	
		MAGNESIM FIL.REAC	MANGANSE UNF.TOT.	SODIUM UNF.REAC	NICKEL UNF.TOT.	TOTAL FIL.REAC	NO2+NO3N FIL.REAC	NO2-N FIL.REAC	TOTAL UNF.REAC	LEAD UNF.TOT.		
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	MG/L AS MG	MG/L AS MN	MG/L AS NA	MG/L AS NI	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS N	MG/L AS PB	PH
870302	1230	16552	7.000	0.020	3.40	0.002<	0.068	0.210	0.0115	0.360	0.003<	8.08
870331	1200	16565	7.580	0.063	5.60	0.002	0.068	0.595	0.0165	0.580	0.003<	8.16
870609	1030	16578	7.200	NO DATA SM	4.46	NO DATA SM	0.004<T	0.160	0.0425	0.390	NO DATA SM	8.21
870818	1010	16591	7.040	0.025	3.56	0.001	0.046	0.020<W	0.0050	0.500	0.003<	8.36
870831	1600	16604	6.920	NO DATA NR	3.74	NO DATA NR	0.034	0.025<T	0.0040<T	0.470	NO DATA NR	8.24
871027	0950	16617	6.380	0.017	4.22	0.001<	0.030	0.045<T	0.0030<T	0.470	0.003<	8.11
871117	1030	16630	7.080	0.012	4.88	0.001<	0.030	0.115	0.0065	0.490	0.003<	8.18
871215	1140	16643	7.680	0.011	5.02	0.001<	0.014	0.320	0.0045<T	0.510	0.003<	8.27
MAXIMUM		7.680	0.063	5.60	0.002	0.068	0.595	0.0425	0.580		8.36	
ARITH MEAN		7.110	0.025	4.36	0.001	0.037<A	0.186<A	0.0117<A	0.471		8.20	
GEOM MEAN		7.100	0.020	4.30		0.028<A	0.107<A	0.0078<A	0.467		8.20	
MINIMUM		6.380	0.011	3.40	0.001	0.004	0.020	0.0030	0.360		8.08	
STD DEV (GEOM *)		0.404	0.019	0.78		0.023<A	0.195<A	0.0133<A	0.069		0.09	
# SAMP IN STATISTICS		8	6	8	2	8	8	8	8		8	
% SAMP (EXCLUDED)					66							

*=INTERIM TEST-NAME:		PHNOL	PPUT	SEUT	SS04UR	TURB	ZNUT
		PHENOLS UNF-REAC	PHOSPHOR UNF.TOT.	SELENIUM UNF.TOT.	SULPHATE UNF.REAC	TURB'ITY	ZINC UNF.TOT.
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER	UG/L PHENOL	MG/L AS P	MG/L AS SE	MG/L AS S04	MG/L AS ZN
870302	1230	16552		0.023	0.001<	9.14	0.003
870331	1200	16565		0.079	0.001<	8.80	0.008
870609	1030	16578		0.035	NO DATA SM	8.00	NO DATA SM
870818	1010	16591	0.2<W	0.053	0.001<	7.80	0.003
870831	1600	16604	0.2<W	0.060	NO DATA NR	9.50	NO DATA NR
871027	0950	16617		0.033	0.001<	10.00	0.002<
871117	1030	16630	0.2<W	0.016	0.001<	14.20	0.002
871215	1140	16643	0.6<T	0.039	0.001<	12.40	0.002

MAXIMUM		0.6	0.079		14.20	23.00	0.008
ARITH MEAN		0.3<A	0.042		9.98	5.61	0.004
GEOM MEAN		0.3<A	0.038		9.78	3.78	
MINIMUM		0.2	0.016		7.80	1.96	0.002
STD DEV (GEOM *)		0.2<A	0.021		2.23	7.14	
# SAMP IN STATISTICS		4	8		8	8	5
% SAMP (EXCLUDED)							16



B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: AT DAM BELOW PAKENHAM  
 STATION TYPE: RIVER

STATION ID: 18-3430-034-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 20 10.73 LONG: 076 17 13.52

U T M: 18 0399150.0 5020900.0 4

REGION: 04

DISTANCE: 14.966

*INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03							
870302	1030	16550	0.30	0101	99.2	0.2<W	0.0003<	4.55	222.0	0.001	0.004	13.80
870331	1030	16563	0.30	0101	98.4	1.1	0.0003<	5.70	226.0	0.001	0.004	12.80
870609	0800	16576	0.30	0101	101.0	1.3	NO DATA SM	4.50	220.0	NO DATA SM	NO DATA SM	8.60
870818	0900	16589	0.30	0101	96.3	0.4<T	0.0003<	4.45	208.0	0.002	0.001<	7.40
870831	1430	16602	0.30	0101	62.3	0.1<W	NO DATA NR	4.15	213.0	NO DATA NR	NO DATA NR	8.50
871027	0810	16615	0.30	0101	93.8	0.3<T	0.0003<	4.80	212.0	0.002	0.001	11.40
871117	1145	16628	0.30	0101	95.8	1.0	0.0003<	5.10	220.0	0.002	0.001<	13.00
871215	1145	16641	0.30	0101	103.4	0.6<T	0.0003<	5.60	237.0	0.001	0.001<	14.40

MAXIMUM	0.30		103.4	1.3	5.70	237.0	0.002	0.004	14.40
ARITH MEAN	0.30		93.8	0.6<A	4.86	219.7	0.001	0.003	11.24
GEOM MEAN			92.8	0.5<A	4.83	219.6	0.001		10.93
MINIMUM	0.30		62.3	0.1	4.15	208.0	0.001	0.001	7.40
STD DEV (GEOM *)			13.1	0.5<A	0.56	9.1	0.001		2.71
# SAMP IN STATISTICS	8		8	8	8	8	6	3	8
% SAMP (EXCLUDED)								50	

*INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	
		IRON UNF.TOT. MG/L AS FE		WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	NH3-N TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	K'DAHL N TOTAL UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	STREAM COND.									
870302	1030	16550	0.270	8	0.5	0.06	1.370	0.072	0.200	0.0090	0.390	0.003<
870331	1030	16563	0.970	3	3.0		1.670	0.038	0.445	0.0155	0.520	0.003<
870609	0800	16576	NO DATA SM	8	18.0		1.490	0.002<T	0.200	0.0450	0.570	NO DATA SM
870818	0900	16589	0.080	8	24.0		0.720	0.034	0.020<W	0.0035<T	0.510	0.003<
870831	1430	16602	NO DATA NR	8	19.0	0.04	0.780	0.042	0.055<T	0.0110	0.480	NO DATA NR
871027	0810	16615	0.088	8			1.360	0.044	0.055<T	0.0030<T	0.470	0.003<
871117	1145	16628	0.076	8	5.0	0.02	1.300	0.026	0.080<T	0.0035<T	0.450	0.003<
871215	1145	16641	0.099	8	1.0	0.01<	1.440	0.010	0.225	0.0040<T	0.480	0.003<

MAXIMUM	0.970		24.0	0.06	1.670	0.072	0.445	0.0450	0.570
ARITH MEAN	0.264		10.1	0.04	1.266	0.033<A	0.160<A	0.0118<A	0.484
GEOM MEAN	0.155		4.8		1.219	0.023<A	0.109<A	0.0075<A	0.481
MINIMUM	0.076		0.5	0.02	0.720	0.002	0.020	0.0030	0.390
STD DEV (GEOM *)	0.354		9.9		0.338	0.022<A	0.140<A	0.0141<A	0.053
# SAMP IN STATISTICS	6		7	3	8	8	8	8	8
% SAMP (EXCLUDED)				25					

( C O N T D )

B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: AT DAM BELOW PAKENHAM  
 STATION TYPE: RIVER

STATION ID: 18-3430-034-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 20 10.73 LONG: 076 17 13.52

U T M: 18 0399150.0 5020900.0 4

REGION: 04

DISTANCE: 14.966

*=-INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	PH				
870302 1030	16550	8.06		0.021	1.40	0.021
870331 1030	16563	8.16	NO DATA NR	0.061	19.60	0.031
870609 0800	16576	8.16	0.2<T	0.097	51.00	NO DATA SM
870818 0900	16589	8.39	0.2<W	0.048	1.56	0.006
870831 1430	16602	8.34	0.2<W	0.057	2.20	NO DATA NR
871027 0810	16615	8.10		0.028	3.10	0.002<
871117 1145	16628	8.18	0.2<T	0.028	1.56	0.003
871215 1145	16641	8.21	0.6<T	0.061	1.46	0.002
MAXIMUM		8.39	0.6	0.097	51.00	0.031
ARITH MEAN		8.20	0.3<A	0.050	10.23	0.013
GEOM MEAN		8.20	0.2<A	0.045	3.68	
MINIMUM		8.06	0.2	0.021	1.40	0.002
STD DEV (GEOM *)		0.11	0.2<A	0.025	17.61	
# SAMP IN STATISTICS		8	5	8	8	5
% SAMP (EXCLUDED)						16

B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: DOWNSTREAM OF ALMONTE  
 STATION TYPE: RIVER

STATION ID: 18-3430-040-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 14 20.18 LONG: 076 12 39.57 U T M: 18 0404950.0 5009990.0 4 REGION: 04 DISTANCE: 28.485

*=-INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					BOD						
					5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
					TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
SAMPLE	DATE HOUR	SAMPLE	DEPTH	PROJECT	TOTAL	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	M	SUB-PROJ	AS CAC03	AS O	AS CD	AT 25 C	AS CR	AS CU	AS O
				CODE							
870331	1510	16562	0.30	0101	100.5	0.9<T	NO DATA BT	5.70	224.0	NO DATA BT	13.10
870608	1730	16575	0.30	0101	91.2	1.4	NO DATA SM	3.95	200.0	NO DATA SM	9.00
870818	0750	16588	0.30	0101	93.9	0.5<T	0.0003<	4.20	202.0	0.001	7.30
870831	1310	16601	0.30	0101	91.4	0.2<W	NO DATA NR	3.60	197.0	NO DATA NR	9.20
871215	1310	16640	0.30	0101	NO DATA BT	NO DATA BT	0.0003<	NO DATA BT	NO DATA BT	0.001	14.40
MAXIMUM		0.30			100.5	1.4		5.70	224.0	0.001	14.40
ARITH MEAN		0.30			94.2	0.7<A		4.36	205.7	0.001	10.60
GEOM MEAN					94.2	0.6<A		4.30	205.5	0.001	10.27
MINIMUM		0.30			91.2	0.2		3.60	197.0	0.001	7.30
STD DEV (GEOM *)					4.3	0.5<A		0.92	12.3	0.000	3.00
# SAMP IN STATISTICS		5			4	4		4	4	2	5
% SAMP (EXCLUDED)											

*=-INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD
		UNF.TOT.			UNF.TOT.	UNF.REAC	TOTAL	NO2+NO3N	NO2-N	TOTAL	UNF.TOT.
SAMPLE	DATE HOUR	MG/L	STREAM	WATER	UG/L	MG/L	FIL.REAC	FIL.REAC	FIL.REAC	MG/L	MG/L
YYMMDD	LMT	AS FE	COND.	TEMP	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
				DEG.C							
870331	1510	NO DATA BT	3	1.5		1.490	0.030	0.360	0.0150	0.720	NO DATA BT
870608	1730	NO DATA SM	8	20.5		1.230	0.016	0.110	0.0450	0.380	NO DATA SM
870818	0750	0.054	8	24.0		0.700	0.038	0.025<T	0.0080	0.520	0.003<
870831	1310	NO DATA NR	8	19.0	0.04	0.650	0.038	0.025<T	0.0060	0.480	NO DATA NR
871215	1310	0.059	8	0.5	0.01<	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	NO DATA BT	0.003<
MAXIMUM		0.059		24.0	0.04	1.490	0.038	0.360	0.0450	0.720	
ARITH MEAN		0.056		13.1	0.04	1.017	0.030	0.130<A	0.0185	0.525	
GEOM MEAN		0.056		5.9		0.956	0.029	0.071<A	0.0134	0.511	
MINIMUM		0.054		0.5	0.04	0.650	0.016	0.025	0.0060	0.380	
STD DEV (GEOM *)		0.004		11.2		0.410	0.010	0.158<A	0.0181	0.143	
# SAMP IN STATISTICS		2		5	1	4	4	4	4	4	
% SAMP (EXCLUDED)					50						

( C O N T D )

B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: DOWNSTREAM OF ALMONTE  
 STATION TYPE: RIVER

STATION ID: 18-3430-040-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 14 20.18 LONG: 076 12 39.57

U T M: 18 0404950.0 5009990.0 4

REGION: 04

DISTANCE: 28.485

*=INTERIM TEST-NAME:		PH	PHNOL	PPUT	TURB	ZNUT
			PHENOLS	PHOSPHOR		ZINC
SAMPLE			UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HOUR	SAMPLE	UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	NUMBER	PHENOL	AS P	FTU	AS ZN
870331	1510	16562	8.18	0.044	7.80	NO DATA BT
870608	1730	16575	8.14	0.026	1.08	NO DATA SM
870818	0750	16588	8.39	0.2<W	1.04	0.012
870831	1310	16601	8.69	0.2<W	1.05	NO DATA NR
871215	1310	16640	NO DATA BT	0.2<T	NO DATA BT	0.002
MAXIMUM		8.69	0.2	0.062	7.80	0.012
ARITH MEAN		8.35	0.2<A	0.041	2.74	0.007
GEOM MEAN		8.35	0.2<A	0.039	1.74	0.005
MINIMUM		8.14	0.2	0.026	1.04	0.002
STD DEV (GEOM *)		0.25	0.0<A	0.016	3.37	0.007
# SAMP IN STATISTICS		4	3	4	4	2
% SAMP (EXCLUDED)						

B.O.W./ SITE: MISSISSIPPI RIVER

SAMPLE POINT: BRIDGE AT APPLETON APPROX. 4.5KM DNSTR

STATION TYPE: RIVER

CARLETON PLACE STP

MAJOR BASIN: GREAT LAKES

MINOR BASIN: OTTAWA RIVER

TERM STREAM: MISSISSIPPI RIVER

STATION ID: 18-3430-061-02

STORET CODE: 02

006

2670

LAT: 45 10 53.05

LONG: 076 07 28.19

U T M: 18 0411650.0 5003500.0 4

REGION: 04

DISTANCE: 49.882

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED	
SAMPLE		SAMPLE	PROJECT	ALK	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN	
DATE	HOUR	DEPTH	SUB-PROJ	TOTAL	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	
YYMMDD	LMT	NUMBER	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O	
870302	1635	16548	0.30	0101	92.2	0.1<W	0.0003<	3.95	208.0	0.001<	0.001<W	12.60
870331	1545	16561	0.30	0101	94.7	0.9<T	0.0003<	5.30	217.0	0.001<	0.002	11.70
870608	1700	16574	0.30	0101	90.1	1.0<T	NO DATA SM	3.90	198.0	NO DATA SM	NO DATA SM	9.00
870817	1745	16587	0.30	0101	93.1	0.4<T	0.0003<	3.65	197.0	0.002	0.001<	9.60
870831	1245	16600	0.30	0101	91.4	0.2<W	NO DATA NR	3.60	199.0	NO DATA NR	NO DATA NR	9.10
871027	0705	16613	0.30	0101	87.9	0.4<T	0.0003<	3.90	197.0	0.002	0.001<	11.50
871116	1630	16626	0.30	0101	82.8	0.8<T	0.0003<	3.60	188.0	0.001	0.001<	13.10
871215	1400	16639	0.30	0101	92.1	1.0	0.0003<	4.40	211.0	0.001	0.001<	14.00
MAXIMUM		0.30			94.7	1.0		5.30	217.0	0.002	0.002	14.00
ARITH MEAN		0.30			90.5	0.6<A		4.04	201.9	0.001	0.001<A	11.32
GEOM MEAN					90.5	0.5<A		4.01	201.7			11.18
MINIMUM		0.30			82.8	0.1		3.60	188.0	0.001	0.001	9.00
STD DEV (GEOM *)					3.7	0.4<A		0.57	9.4			1.91
# SAMP IN STATISTICS		8			8	8		8	8	4	2	8
% SAMP (EXCLUDED)										33	66	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	
		IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD	
SAMPLE		UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.	
DATE	HOUR	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
YYMMDD	LMT	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB	
870302	1635	16548	0.095	8	0.5	0.04	1.340	0.042	0.180	0.0115	0.340	0.003<
870331	1545	16561	0.200	3	1.0		1.440	0.028	0.260	0.0115	0.400	0.003
870608	1700	16574	NO DATA SM	8	21.0		1.210	0.012	0.120	0.0685	0.380	NO DATA SM
870817	1745	16587	0.032	8	26.0		0.720	0.044	0.020<W	0.0035<T	0.490	0.003<
870831	1245	16600	NO DATA NR	8	19.5	0.06	0.640	0.050	0.040<T	0.0055	0.490	NO DATA NR
871027	0705	16613	0.061	8			1.160	0.048	0.050<T	0.0035<T	0.520	0.003<
871116	1630	16626	0.056	8	4.0	0.01	1.180	0.036	0.025<T	0.0025<T	0.450	0.003<
871215	1400	16639	0.050	8	0.5	0.01<	1.330	0.012	0.075<T	0.0025<T	0.400	0.003<
MAXIMUM		0.200			26.0	0.06	1.440	0.050	0.260	0.0685	0.520	0.003
ARITH MEAN		0.082			10.4	0.04	1.127	0.034	0.096<A	0.0136<A	0.434	0.003
GEOM MEAN		0.069			3.8		1.088	0.030	0.067<A	0.0066<A	0.430	
MINIMUM		0.032			0.5	0.01	0.640	0.012	0.020	0.0025	0.340	0.003
STD DEV (GEOM *)		0.061			11.3		0.292	0.015	0.085<A	0.0225<A	0.063	
# SAMP IN STATISTICS		6			7	3	8	8	8	8	8	1
% SAMP (EXCLUDED)						25						83

( C O N T D )

B.O.W./ SITE: MISSISSIPPI RIVER

SAMPLE POINT: BRIDGE AT APPLETON APPROX. 4.5KM DNSTR CARLETON PLACE STP

STATION ID: 18-3430-061-02

STATION TYPE: RIVER

MAJOR BASIN: GREAT LAKES

STORET CODE: 02

MINOR BASIN: OTTAWA RIVER

006

TERM STREAM: MISSISSIPPI RIVER

2670

LAT: 45 10 53.05 LONG: 076 07 28.19

U T M: 18 0411650.0 5003500.0 4

REGION: 04

DISTANCE: 49.882

*INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.
DATE	HOUR	SAMPLE NUMBER	UG/L PHENOL	MG/L AS P		MG/L AS ZN
YYMMDD	LMT					
870302	1635	16548	7.93	0.022	0.80	0.006
870331	1545	16561	8.05	0.028	3.70	0.007
870608	1700	16574	8.17	0.072	1.76	NO DATA SM
870817	1745	16587	8.69	0.2<W	1.12	0.003
870831	1245	16600	8.61	0.2<W	1.26	NO DATA NR
871027	0705	16613	8.05	0.022	2.70	0.002
871116	1630	16626	8.17	0.2<T	1.28	0.005
871215	1400	16639	8.16	0.2<W	0.61	0.004
MAXIMUM		8.69	0.2	0.072	3.70	0.007
ARITH MEAN		8.23	0.2<A	0.037	1.65	0.004
GEOM MEAN		8.22	0.2<A	0.032	1.41	0.004
MINIMUM		7.93	0.2	0.011	0.61	0.002
STD DEV (GEOM *)		0.27	0.0<A	0.021	1.05	0.002
# SAMP IN STATISTICS		8	4	8	8	6
% SAMP (EXCLUDED)						

B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: AT DALHOUSIE LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 18-3430-175-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 44 58 21.65 LONG: 076 32 18.89

U T M: 18 0378675.0 4980850.0 4

REGION: 04

DISTANCE: 102.995

*=INTERIM		TEST-NAME:	FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
					ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISOLVED
SAMPLE			SAMPLE	PROJECT	TOTAL	5 DAY	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
DATE	HOUR	SAMPLE	DEPTH	SUB-PROJ	MG/L	TOT.DEM.	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	M	CODE	AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870303	1040	16544	0.30	0101	53.3	0.4<T	0.0003<	2.30	129.6	0.003	0.001	13.20
870330	1120	16557	0.30	0101	59.5	0.4<T	0.0003<	2.45	141.0	0.001<	0.002	12.70
870608	1400	16570	0.30	0101	61.6	NO DATA SD	NO DATA SM	1.75	139.0	NO DATA SM	NO DATA SM	8.60
870817	1240	16583	0.30	0101	58.9	0.3<T	0.0003<	1.85	133.0	0.001	0.001<	8.60
870901	1345	16596	0.30	0101	57.7	0.3<T	NO DATA NR	1.45	133.0	NO DATA NR	NO DATA NR	9.80
871026	1130	16609	0.30	0101	54.5	0.3<T	0.0003<	1.80	126.7	0.002	0.001<	11.40
871116	1130	16622	0.30	0101	55.9	0.6<T	0.0003<	NO DATA IS	NO DATA IR	0.001<	0.001<	18.00
871214	1125	16635	0.30	0101	56.9	0.2<T	0.0003<	1.70	136.0	0.001<	0.001<	13.50
MAXIMUM			0.30		61.6	0.6		2.45	141.0	0.003	0.002	18.00
ARITH MEAN			0.30		57.3	0.4<A		1.90	134.0	0.002	0.001	11.97
GEOM MEAN					57.2	0.3<A		1.87	134.0			11.64
MINIMUM			0.30		53.3	0.2		1.45	126.7	0.001	0.001	8.60
STD DEV (GEOM *)					2.7	0.1<A		0.35	5.0			3.13
# SAMP IN STATISTICS			8		8	7		7	7	3	2	8
% SAMP (EXCLUDED)										50	66	

*=INTERIM		TEST-NAME:	FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
			IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
SAMPLE			UNF.TOT.		WATER	UNF.TOT.	UNF.REAC	TOTAL	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
DATE	HOUR	SAMPLE	MG/L	STREAM	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	AS FE	COND.	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870303	1040	16544	0.100	4 8	0.5	0.05	1.080	0.012	0.195	0.0075	0.260	0.003<
870330	1120	16557	0.087	3	3.0		1.050	0.008<T	0.200	0.0060	0.220	0.008
870608	1400	16570	NO DATA SM	8	16.0		1.000	0.054	0.025<T	0.0055	0.270	NO DATA SM
870817	1240	16583	0.027	7	26.0		0.860	0.050	0.020<W	0.0015<T	0.400	0.003<
870901	1345	16596	NO DATA NR	7	18.0	0.09	0.860	0.038	0.020<W	0.0050	0.370	NO DATA NR
871026	1130	16609	0.043	8			NO DATA IS	0.004<T	0.030<T	0.0015<T	0.330	0.003<
871116	1130	16622	0.029	8	6.0	0.02	NO DATA IS	NO DATA IS	NO DATA IS	NO DATA IS	0.300	0.003<
871214	1125	16635	0.044	8	1.5	0.01<	NO DATA IS	0.016	0.045<T	0.0020<T	0.350	0.003<
MAXIMUM			0.100		26.0	0.09	1.080	0.054	0.200	0.0075	0.400	0.008
ARITH MEAN			0.055		10.1	0.05	0.970	0.026<A	0.076<A	0.0041<A	0.312	0.008
GEOM MEAN			0.048		5.2		0.965	0.018<A	0.047<A	0.0034<A	0.307	
MINIMUM			0.027		0.5	0.02	0.860	0.004	0.020	0.0015	0.220	0.008
STD DEV (GEOM *)			0.031		9.9		0.104	0.021<A	0.083<A	0.0024<A	0.061	
# SAMP IN STATISTICS			6		7	3	5	7	7	7	8	1
% SAMP (EXCLUDED)						25						83

( C O N T D )

B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: AT DALHOUSIE LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 18-3430-175-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 44 58 21.65 LONG: 076 32 18.89

U T M: 18 0378675.0 4980850.0 4

REGION: 04

DISTANCE: 102.995

*=INTERIM		TEST-NAME:	PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	RSP RESIDUE PARTIC.	TURB TURB'ITY	ZNUT ZINC UNF.TOT.
DATE	HR	SAMPLE		UG/L	MG/L	MG/L	FTU	MG/L
YYMMDD	LMT	NUMBER	PH	PHENOL	AS P			AS ZN
870303	1040	16544	7.81	0.2<T	0.009<T	0.4<W	0.90	0.013
870330	1120	16557	7.97	0.2<T	0.010	1.2<T	0.85	0.006
870608	1400	16570	8.09	0.6<T	0.048	0.1<T	0.73	NO DATA SM
870817	1240	16583	8.28	0.2<T	0.040	1.2<T	1.02	0.006
870901	1345	16596	8.12	0.2<W	0.045	1.8<T	1.55	NO DATA NR
871026	1130	16609	8.09		0.017	3.9	2.20	0.005
871116	1130	16622	8.03	0.4<T	0.008<T	1.1<T	NO DATA IS	0.002
871214	1125	16635	8.04	0.2<W	0.010	0.7<T	NO DATA IS	0.002
MAXIMUM			8.28	0.6	0.048	3.9	2.20	0.013
ARITH MEAN			8.05	0.3<A	0.023<A	1.3<A	1.21	0.006
GEOM MEAN			8.05	0.3<A	0.018<A	0.9<A	1.12	0.005
MINIMUM			7.81	0.2	0.008	0.1	0.73	0.002
STD DEV (GEOM *)			0.13	0.2<A	0.018<A	1.2<A	0.56	0.004
# SAMP IN STATISTICS			8	7	8	8	6	6
% SAMP (EXCLUDED)								



B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: AT MAZINAW LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 18-3430-230-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 44 50 59.62 LONG: 077 10 12.89 U T M: 18 0328500.0 4968350.0 4 REGION: 04 DISTANCE: 169.298

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
				ALK	BOD	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISSOLVED	
				TOT. DEM.	5 DAY	UNF. TOT.	UNF. REAC	25C	UNF. TOT.	UNF. TOT.	OXYGEN	
				MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L	
				AS CAC03	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O	
SAMPLE DATE	HOUR	SAMPLE NUMBER	SAMPLE DEPTH	PROJECT SUB-PROJ CODE								
YYMMDD	LMT		M									
870303	1500	16543	0.30	0101	23.9	0.2<T	0.0003<	2.95	78.2	0.001<	0.001	12.40
870330	1515	16556	0.30	0101	23.6	0.3<T	0.0003<	3.15	79.3	0.001<	0.003	11.60
870608	1220	16569	0.30	0101	25.3	0.2<W	NO DATA SM	3.75	80.3	NO DATA SM	NO DATA SM	9.20
870817	1105	16582	0.30	0101	30.2	0.3<T	0.0003<	3.65	93.0	0.001	0.001<	8.00
870901	0925	16595	0.30	0101	43.6	0.3<T	NO DATA NR	5.10	123.6	NO DATA NR	NO DATA NR	8.80
871026	1230	16608	0.30	0101	24.4	0.2<W	0.0003<	2.80	78.7	0.001	0.001<	10.80
871116	1415	16621	0.30	0101	23.2	0.7<T	0.0003<	NO DATA IS	NO DATA IR	0.001<	0.001<	10.70
871214	1605	16634	0.30	0101	22.7	0.6<T	0.0003<	2.20	76.2	0.001<	0.001<	12.60
MAXIMUM		0.30			43.6	0.7		5.10	123.6	0.001	0.003	12.60
ARITH MEAN		0.30			27.1	0.3<A		3.37	87.0	0.001	0.002	10.51
GEOM MEAN					26.5	0.3<A		3.27	85.8			10.39
MINIMUM		0.30			22.7	0.2		2.20	76.2	0.001	0.001	8.00
STD DEV (GEOM *)					7.1	0.2<A		0.93	17.0			1.70
# SAMP IN STATISTICS		8			8	8		7	7	2	2	8
% SAMP (EXCLUDED)										66	66	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	
		IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD	
		UNF. TOT.		WATER	UNF. TOT.	UNF. REAC	TOTAL	FIL. REAC	FIL. REAC	UNF. REAC	UNF. TOT.	
		MG/L		TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	
		AS FE	STREAM	DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB	
SAMPLE DATE	HOUR	SAMPLE NUMBER	COND.									
YYMMDD	LMT											
870303	1500	16543	0.076	8	2.0	0.05	0.900	0.006<T	0.225	0.0035<T	0.190	0.003<
870330	1515	16556	0.055	8	4.5		0.870	0.002<T	0.220	0.0025<T	0.160	0.003<
870608	1220	16569	NO DATA SM	8	13.5		0.870	0.034	0.175	0.0065	0.210	NO DATA SM
870817	1105	16582	0.036	8	24.0		0.920	0.030	0.080<T	0.0030<T	0.360	0.003<
870901	0925	16595	NO DATA NR	8	18.5	NO DATA BT	1.090	0.020	0.095<T	0.0125	0.240	NO DATA NR
871026	1230	16608	0.040	8			NO DATA IS	0.010	0.145	0.0015<T	0.230	0.003<
871116	1415	16621	0.044		7.0	0.02	NO DATA IS	NO DATA IS	NO DATA IS	NO DATA IS	0.250	0.003<
871214	1605	16634	0.035	8	3.5	0.01	NO DATA IS	0.004<T	0.195	0.0010<T	0.210	0.003
MAXIMUM		0.076			24.0	0.05	1.090	0.034	0.225	0.0125	0.360	0.003
ARITH MEAN		0.048			10.4	0.03	0.930	0.015<A	0.162<A	0.0044<A	0.231	0.003
GEOM MEAN		0.046			7.5	0.02	0.927	0.010<A	0.152<A	0.0032<A	0.225	
MINIMUM		0.035			2.0	0.01	0.870	0.002	0.080	0.0010	0.160	0.003
STD DEV (GEOM *)		0.016			8.4	0.02	0.092	0.013<A	0.058<A	0.0040<A	0.059	
# SAMP IN STATISTICS		6			7	3	5	7	7	7	8	1
% SAMP (EXCLUDED)												83

( C O N T D )

B.O.W./ SITE: MISSISSIPPI RIVER  
 SAMPLE POINT: AT MAZINAW LAKE OUTLET  
 STATION TYPE: RIVER

STATION ID: 18-3430-230-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 44 50 59.62 LONG: 077 10 12.89

U T M: 18 0328500.0 4968350.0 4

REGION: 04

DISTANCE: 169.298

*INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	RSP RESIDUE PARTIC.	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.
DATE	HOUR	SAMPLE NUMBER	PH	UG/L PHENOL	MG/L AS P	MG/L	MG/L AS ZN
YYMMDD	LMT						
870303	1500	16543	7.55	0.4<T	0.008<T	0.7<T	0.40
870330	1515	16556	7.71	NO DATA NR	0.004<T	1.6<T	1.56
870608	1220	16569	7.87	0.8<T	0.009<T	2.5<T	NO DATA IS
870817	1105	16582	7.85	0.2<T	0.046	0.4<W	0.84
870901	0925	16595	7.87	0.2<W	0.051	1.0<T	1.27
871026	1230	16608	7.63		0.023	1.0<T	1.17
871116	1415	16621	7.63	0.2<W	0.015	1.4<T	NO DATA IS
871214	1605	16634	7.67	0.4<T	0.005<T	0.1<W	NO DATA IS
MAXIMUM			7.87	0.8	0.051	2.5	1.56
ARITH MEAN			7.72	0.4<A	0.020<A	1.1<A	1.05
GEOM MEAN			7.72	0.3<A	0.014<A	0.8<A	0.95
MINIMUM			7.55	0.2	0.004	0.1	0.40
STD DEV (GEOM *)			0.13	0.2<A	0.019<A	0.8<A	0.44
# SAMP IN STATISTICS			8	6	8	8	5
% SAMP (EXCLUDED)							6

B.O.W./ SITE: CLYDE RIVER  
 SAMPLE POINT: BELOW LANARK  
 STATION TYPE: RIVER

STATION ID: 18-3430-520-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 00 44.08 LONG: 076 21 54.54

U T M: 18 0392425.0 4985000.0 4

REGION: 04

DISTANCE: 86.902

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO
				ALK	5 DAY	CADMIUM	CHLORIDE	CONDUCT.	CHROMIUM	COPPER	DISSOLVED
SAMPLE DATE	HR	SAMPLE	PROJECT	TOTAL	TOT.DEM.	UNF.TOT.	UNF.REAC	25C	UNF.TOT.	UNF.TOT.	OXYGEN
YYMMDD	LMT	NUMBER	SUB-PROJ CODE	MG/L	MG/L	MG/L	MG/L	UMHO/CM	MG/L	MG/L	MG/L
				AS CACO3	AS O	AS CD	AS CL-	AT 25 C	AS CR	AS CU	AS O
870302	1740	16546	0101	134.1	0.1<W	0.0003<	5.60	286.0	0.001<	0.001<W	13.60
870330	1015	16559	0101	89.2	0.9<T	NO DATA BT	2.75	197.0	NO DATA BT	NO DATA BT	10.90
870608	1455	16572	0101	119.8	0.4<T	NO DATA SM	2.65	241.0	NO DATA SM	NO DATA SM	7.90
870817	1510	16585	0101	121.4	0.4<T	0.0003<	2.35	240.0	0.003	0.001<	7.40
870831	1200	16598	0101	127.4	0.2<T	NO DATA NR	4.15	259.0	NO DATA NR	NO DATA NR	8.40
871026	1010	16611	0101	130.5	0.2<T	0.0003<	5.00	272.0	0.002	0.001<	10.00
871116	1010	16624	0101	134.6	0.8<T	0.0003<	5.00	291.0	0.002	0.001<	12.00
871214	1015	16637	0101	110.8	0.5<T	0.0003<	3.10	247.0	0.001	0.001<	13.00

MAXIMUM	0.30			134.6	0.9		5.60	291.0	0.003	0.001	13.60
ARITH MEAN	0.30			121.0	0.4<A		3.82	254.1	0.002	0.001<A	10.40
GEOM MEAN				120.0	0.4<A		3.64	252.5			10.16
MINIMUM	0.30			89.2	0.1		2.35	197.0	0.001	0.001	7.40
STD DEV (GEOM *)				15.1	0.3<A		1.27	30.2			2.37
# SAMP IN STATISTICS	8			8	8		8	8	4	1	8
% SAMP (EXCLUDED)									20	80	

*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT
		IRON			MERCURY	POTASSIM	NH3-N	NO2+NO3N	NO2-N	K'DAHL N	LEAD
SAMPLE DATE	HR	UNF.TOT.	STREAM	WATER	UNF.TOT.	UNF.REAC	FIL.REAC	FIL.REAC	FIL.REAC	UNF.REAC	UNF.TOT.
YYMMDD	LMT	MG/L	COND.	TEMP	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
		AS FE		DEG.C	AS HG	AS K	AS N	AS N	AS N	AS N	AS PB
870302	1740	0.180	4	0.5	0.06	1.470	0.128	0.220	0.0055	0.380	0.003<
870330	1015	NO DATA BT	3	5.0	0.05	1.220	0.058	0.205	0.0090	0.310	NO DATA BT
870608	1455	NO DATA SM	8	20.8		1.050	0.036	0.035<T	0.0175	0.950	NO DATA SM
870817	1510	0.067	8	25.5		0.810	0.074	0.020<W	0.0020<T	0.670	0.003<
870831	1200	NO DATA NR	8	20.0	0.07	0.950	0.070	0.025<T	0.0030<T	0.560	NO DATA NR
871026	1010	0.064	8			1.620	0.074	0.035<T	0.0025<T	0.550	0.003<
871116	1010	0.070	8	4.0	0.02	1.550	0.042	0.020<W	0.0015<T	0.520	0.003<
871214	1015	0.062	8	0.5	0.01<	1.500	0.012	0.085<T	0.0025<T	0.430	0.003<

MAXIMUM	0.180			25.5	0.07	1.620	0.128	0.220	0.0175	0.950
ARITH MEAN	0.089			10.9	0.05	1.271	0.062	0.081<A	0.0054<A	0.546
GEOM MEAN	0.080			4.7		1.236	0.052	0.051<A	0.0039<A	0.518
MINIMUM	0.062			0.5	0.02	0.810	0.012	0.020	0.0015	0.310
STD DEV (GEOM *)	0.051			10.7		0.307	0.034	0.084<A	0.0055<A	0.199
# SAMP IN STATISTICS	5			7	4	8	8	8	8	8
% SAMP (EXCLUDED)					20					

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

173

B.O.W./ SITE: CLYDE RIVER  
 SAMPLE POINT: BELOW LANARK  
 STATION TYPE: RIVER

STATION ID: 18-3430-520-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 00 44.08 LONG: 076 21 54.54

U T M: 18 0392425.0 4985000.0 4

REGION: 04

DISTANCE: 86.902

*=INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.
SAMPLE DATE HOUR YYMMDD LMT	SAMPLE NUMBER	PH	UG/L PHENOL	MG/L AS P		MG/L AS ZN
870302 1740	16546	7.78		0.018	1.10	0.008
870330 1015	16559	8.06	0.2<W	0.023	2.70	NO DATA BT
870608 1455	16572	8.24	0.2<T	0.082	1.38	NO DATA SM
870817 1510	16585	8.12	0.2<T	0.009<T	1.45	0.003
870831 1200	16598	8.12	0.2<W	0.059	1.46	NO DATA NR
871026 1010	16611	8.06		0.019	1.31	0.007
871116 1010	16624	8.30	0.2<T	0.019	1.35	0.003
871214 1015	16637	8.21	0.2<W	0.011	0.69	0.004
MAXIMUM		8.30	0.2	0.082	2.70	0.008
ARITH MEAN		8.11	0.2<A	0.030<A	1.43	0.005
GEOM MEAN		8.11	0.2<A	0.023<A	1.34	0.005
MINIMUM		7.78	0.2	0.009	0.69	0.003
STD DEV (GEOM *)		0.16	0.0<A	0.026<A	0.57	0.002
# SAMP IN STATISTICS		8	6	8	8	5
% SAMP (EXCLUDED)						

B.O.W./ SITE: CLYDE RIVER  
 SAMPLE POINT: ABOVE LANARK  
 STATION TYPE: RIVER FLOW GAUGE FED 02KF010

STATION ID: 18-3430-530-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 01 48.92 LONG: 076 21 52.66 U T M: 18 0392500.0 4987000.0 4 REGION: 04 DISTANCE: 90.121

**INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY TOT.DEM. MG/L AS O	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISSOLVED OXYGEN MG/L AS O	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03							
870302	1800	16547	0.30	0101	188.0	0.3<T	0.0003<	4.10	380.0	0.001	0.001<W	14.20
870330	0945	16560	0.30	0101	87.6	1.2	NO DATA BT	2.55	193.0	NO DATA BT	NO DATA BT	11.80
870608	1530	16573	0.30	0101	117.8	0.5<	NO DATA SM	2.10	237.0	NO DATA SM	NO DATA SM	8.20
870817	1445	16586	0.30	0101	121.4	0.5<T	0.0003<	2.20	239.0	0.002	0.001<	
870831	1120	16599	0.30	0101	124.1	0.2<T	NO DATA NR	2.10	248.0	NO DATA NR	NO DATA NR	7.30
871026	0930	16612	0.30	0101	129.2	0.3<T	0.0003<	3.10	264.0	0.002	0.001<	
871116	0930	16625	0.30	0101	130.7	1.0<T	0.0010	4.50	282.0	0.002	0.002	12.00
871214	0950	16638	0.30	0101	108.7	1.1	0.0003<	2.80	242.0	0.001	0.001<	13.30

MAXIMUM	0.30		188.0	1.2	0.0010	4.50	380.0	0.002	0.002	14.20
ARITH MEAN	0.30		125.9	0.7<A	0.0010	2.93	260.6	0.002	0.001<A	11.13
GEOM MEAN			123.4			2.82	256.2	0.002		10.82
MINIMUM	0.30		87.6	0.2	0.0010	2.10	193.0	0.001	0.001	7.30
STD DEV (GEOM *)			28.6			0.92	54.5	0.001		2.78
# SAMP IN STATISTICS	8		8	7	1	8	8	5	2	6
% SAMP (EXCLUDED)				12	80				60	

**INTERIM TEST-NAME:		FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	
		IRON UNF.TOT. MG/L AS FE	STREAM FLOW M3 /S		WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	POTASSIM UNF.REAC MG/L AS K	NH3-N TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	K'DAHL N TOTAL UNF.REAC MG/L AS N	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER		STREAM COND.								
870302	1800	16547	0.120	2.320	4		0.04	2.100	0.090	0.350	0.0080	0.470
870330	0945	16560	NO DATA BT	35.700	3	3.5	0.08	1.260	0.040	0.200	0.0080	0.300
870608	1530	16573	NO DATA SM	4.050	8	20.5		1.020	0.040	0.030<T	0.0165	0.400
870817	1445	16586	0.044	0.357	7	7.8		0.770	0.066	0.020<W	0.0015<T	0.590
870831	1120	16599	NO DATA NR	0.130	7	19.0	0.06	1.000	0.074	0.040<T	0.0055	0.580
871026	0930	16612	0.048	0.760	8			1.460	0.056	0.030<T	0.0020<T	0.560
871116	0930	16625	0.072	1.100	8	4.0	0.01	1.470	0.042	0.020<W	0.0015<T	0.530
871214	0950	16638	0.130	10.800	8	0.5	0.01	1.470	0.012	0.070<T	0.0020<T	0.440

MAXIMUM	0.130	35.700	20.5	0.08	2.100	0.090	0.350	0.0165	0.590
ARITH MEAN	0.083	6.902	9.2	0.04	1.319	0.052	0.095<A	0.0056<A	0.484
GEOM MEAN	0.075	1.856	5.3	0.03	1.265	0.046	0.054<A	0.0039<A	0.473
MINIMUM	0.044	0.130	0.5	0.01	0.770	0.012	0.020	0.0015	0.300
STD DEV (GEOM *)	0.040	12.152	8.5	0.03	0.409	0.024	0.119<A	0.0052<A	0.101
# SAMP IN STATISTICS	5	8	6	5	8	8	8	8	8
% SAMP (EXCLUDED)									

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

175

B.O.W./ SITE: CLYDE RIVER  
 SAMPLE POINT: ABOVE LANARK  
 STATION TYPE: RIVER FLOW GAUGE FED 02KF010

STATION ID: 18-3430-530-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 45 01 48.92 LONG: 076 21 52.66 U T M: 18 0392500.0 4987000.0 4 REGION: 04 DISTANCE: 90.121

*=INTERIM TEST-NAME:		PBUT	PH	PHNOL	PPUT	TURB	ZNUT
		LEAD		PHENOLS	PHOSPHOR		ZINC
SAMPLE		UNF.TOT.		UNF-REAC	UNF.TOT.		UNF.TOT.
DATE	HOUR	MG/L		UG/L	MG/L	TURB'ITY	MG/L
YYMMDD	LMT	AS PB	PH	PHENOL	AS P	FTU	AS ZN
870302	1800	16547 0.004	7.94	0.6<T	0.011	2.10	0.006
870330	0945	16560 NO DATA BT	8.07	NO DATA NR	0.019	2.80	NO DATA BT
870608	1530	16573 NO DATA SM	8.22	NO DATA NR	0.079	1.63	NO DATA SM
870817	1445	16586 0.003<	8.26	0.2<W	0.048	0.95	0.004
870831	1120	16599 NO DATA NR	8.05	0.4<T	0.077	1.38	NO DATA NR
871026	0930	16612 0.003<	8.13		0.019	1.59	0.005
871116	0930	16625 0.003<	8.30	0.2<T	0.027	1.38	0.005
871214	0950	16638 0.003<	8.19	0.2<W	0.011	1.40	0.005
MAXIMUM		0.004	8.30	0.6	0.079	2.80	0.006
ARITH MEAN		0.004	8.14	0.3<A	0.036	1.65	0.005
GEOM MEAN			8.14	0.3<A	0.028	1.58	0.005
MINIMUM		0.004	7.94	0.2	0.011	0.95	0.004
STD DEV (GEOM *)			0.12	0.2<A	0.028	0.56	0.001
# SAMP IN STATISTICS		1	8	5	8	8	5
% SAMP (EXCLUDED)		80					

B.O.W./ SITE: BENNETT LAKE OUTLET  
 SAMPLE POINT: AT OUTLET DAM NEAR FALLBROOK  
 STATION TYPE: RIVER

STATION ID: 18-3430-610-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 44 56 51.99 LONG: 076 24 39.02

U T M: 18 0388700.0 4977900.0 4

REGION: 04

DISTANCE: 88.351

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	BOD5	CDUT	CLIDUR	COND25	CRUT	CUUT	DO	
					BOD 5 DAY	CADMIUM	CHLORIDE	CONDUCT. 25C	CHROMIUM	COPPER	DISSOLVED	
SAMPLE DATE	HOUR	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	TOTAL MG/L AS CAC03	TOT.DEM. MG/L AS O	UNF.TOT. MG/L AS CD	UNF.REAC MG/L AS CL-	UMHO/CM AT 25 C	UNF.TOT. MG/L AS CR	UNF.TOT. MG/L AS CU	OXYGEN MG/L AS O
870303	0930	16545	0.30	0101	105.6	0.1<W	0.0003<	7.30	242.0	0.001<	0.001<W	10.00
870330	1045	16558	0.30	0101	95.1	0.7<T	NO DATA BT	6.60	221.0	NO DATA BT	NO DATA BT	10.90
870608	1430	16571	0.30	0101	94.4	0.1<W	NO DATA SM	5.75	214.0	NO DATA SM	NO DATA SM	9.60
870817	1310	16584	0.30	0101	95.9	0.5<T	0.0003<	6.75	219.0	0.002	0.001<	8.20
870901	1430	16597	0.30	0101	94.9	0.4<T	NO DATA NR	6.65	220.0	NO DATA NR	NO DATA NR	9.30
871026	1045	16610	0.30	0101	91.2	0.1<W	0.0003<	6.40	213.0	0.002	0.001<	11.30
871116	1100	16623	0.30	0101	98.0	0.9<T	0.0003<	6.60	229.0	0.001	0.001<	12.80
871214	1050	16636	0.30	0101	98.7	0.3<T	0.0003<	6.20	224.0	0.001	0.001<	13.30
MAXIMUM		0.30			105.6	0.9		7.30	242.0	0.002	0.001	13.30
ARITH MEAN		0.30			96.7	0.4<A		6.53	222.7	0.001	0.001<A	10.67
GEOM MEAN					96.6	0.3<A		6.52	222.6			10.55
MINIMUM		0.30			91.2	0.1		5.75	213.0	0.001	0.001	8.20
STD DEV (GEOM *)					4.3	0.3<A		0.45	9.3			1.75
# SAMP IN STATISTICS		8			8	8		8	8	4	1	8
% SAMP (EXCLUDED)										20	80	
*=INTERIM TEST-NAME:		FEUT	FWSTRC	FWTEMP	HGUT	KKUR	NNHTFR	NNOTFR	NNO2FR	NNTKUR	PBUT	
		IRON			MERCURY	POTASSIM	NH3-N			K'DAHL N	LEAD	
SAMPLE DATE	HOUR	UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	UNF.TOT. UG/L AS HG	UNF.REAC MG/L AS K	TOTAL FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	TOTAL UNF.REAC MG/L AS N	UNF.TOT. MG/L AS PB	
870303	0930	16545 0.088	4	1.0	0.07	1.530	0.078	0.090<T	0.0055	0.370	0.003<	
870330	1045	16558 NO DATA BT	3	5.0	0.04	1.430	0.038	0.145	0.0115	0.430	NO DATA BT	
870608	1430	16571 NO DATA SM	8	20.0		1.390	0.064	0.020<W	0.0065	0.490	NO DATA SM	
870817	1310	16584 0.057	8	27.0		1.150	0.060	0.020<W	0.0025<T	0.600	0.003<	
870901	1430	16597 NO DATA NR	8	18.0	0.07	1.210	0.056	0.035<T	0.0060	0.570	NO DATA NR	
871026	1045	16610 0.024	8			1.400	0.064	0.050<T	0.0020<T	0.540	0.003<	
871116	1100	16623 0.019	8	5.0	NO DATA SS	1.430	0.058	0.020<T	0.0020<T	0.490	0.003<	
871214	1050	16636 0.028	8	2.0	0.01<	1.520	0.048	0.045<T	0.0025<T	0.510	0.003<	
MAXIMUM		0.088		27.0	0.07	1.530	0.078	0.145	0.0115	0.600		
ARITH MEAN		0.043		11.1	0.06	1.382	0.058	0.053<A	0.0048<A	0.500		
GEOM MEAN		0.036		6.5		1.376	0.057	0.041<A	0.0040<A	0.495		
MINIMUM		0.019		1.0	0.04	1.150	0.038	0.020	0.0020	0.370		
STD DEV (GEOM *)		0.029		10.3		0.136	0.012	0.044<A	0.0033<A	0.074		
# SAMP IN STATISTICS		5		7	3	8	8	8	8	8		
% SAMP (EXCLUDED)					25							

( C O N T D )

## 1987 WATER QUALITY DATA REGION 4

177

B.O.W./ SITE: BENNETT LAKE OUTLET  
 SAMPLE POINT: AT OUTLET DAM NEAR FALLBROOK  
 STATION TYPE: RIVER

STATION ID: 18-3430-610-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MISSISSIPPI RIVER

STORET CODE: 02  
 006  
 2670

LAT: 44 56 51.99 LONG: 076 24 39.02

U T M: 18 0388700.0 4977900.0 4

REGION: 04

DISTANCE: 88.351

*INTERIM TEST-NAME:		PH	PHNOL PHENOLS UNF-REAC	PPUT PHOSPHOR UNF.TOT.	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT.
SAMPLE DATE YYMMDD	DATE HOUR LMT	SAMPLE NUMBER	PH	UG/L PHENOL	MG/L AS P	MG/L AS ZN
870303	0930	16545	7.72	0.8<T	0.012	0.013
870330	1045	16558	8.01	2.6CIC	0.013	NO DATA BT
870608	1430	16571	8.12	0.4<T	0.104	NO DATA SM
870817	1310	16584	8.38	0.2<W	0.038	0.003
870901	1430	16597	8.22	0.2<W	0.041	NO DATA NR
871026	1045	16610	8.05		0.015	0.004
871116	1100	16623	8.20	0.2<T	0.017	0.002
871214	1050	16636	8.18	0.2<T	0.014	0.006
MAXIMUM		8.38	2.6	0.104	1.83	0.013
ARITH MEAN		8.11	0.7<A	0.032	1.27	0.006
GEOM MEAN		8.11	0.4<A	0.023	1.22	0.005
MINIMUM		7.72	0.2	0.012	0.70	0.002
STD DEV (GEOM *)		0.19	0.9<A	0.031	0.38	0.004
# SAMP IN STATISTICS		8	7	8	8	5
% SAMP (EXCLUDED)						



B.O.W./ SITE: MADAWASKA RIVER  
 - SAMPLE POINT: AT HIGHWAY NO.17 ARNPRIOR  
 STATION TYPE: RIVER

STATION ID: 18-3490-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MADAWASKA RIVER

STORET CODE: 02  
 006  
 2710

LAT: 45 26 02.92 LONG: 076 21 02.44 U T M: 18 0394350.0 5031850.0 4 REGION: 04 DISTANCE: 1.127

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CDUT	CLIDUR	COND25
							BOD 5 DAY TOT.DEM.				
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	DEPTH M	PROJECT SUB-PROJ CODE	ALK TOTAL MG/L AS CAC03	ALUMINUM UNF.TOT. MG/L AS AL	ARSENIC UNF.TOT. MG/L AS AS	CALCIUM UNF.REAC MG/L AS CA	CADMIUM UNF.TOT. MG/L AS CD	CHLORIDE UNF.REAC MG/L AS CL-	CONDUCT. 25C UMHO/CM AT 25 C
870302	1150	16551	0.30	0101	34.6	0.022	0.001<	0.2<T	12.80	0.0003<	97.2
870331	1120	16564	0.30	0101	36.4	0.150	0.001<	0.4<T	11.60	0.0003<	100.7
870609	0950	16577	0.30	0101	54.7	NO DATA SM	NO DATA SM	1.0	18.60	NO DATA SM	131.0
870818	0930	16590	0.30	0101	56.0	0.065	0.001<	0.1<W	17.80	0.0003<	133.0
870831	1500	16603	0.30	0101	55.6	NO DATA NR	NO DATA NR	0.4<T	18.30	NO DATA NR	134.0
871027	0845	16616	0.30	0101	57.5	0.120	0.001<	0.2<W	19.20	0.0003<	138.0
871117		16629	0.30	0101	55.6	0.077	0.001<	0.8<T	19.10	0.0003<	134.0
871215	1110	16642	0.30	0101	53.5	0.089	0.001<	0.6<T	19.10	0.0003<	128.3
MAXIMUM		0.30			57.5	0.150		1.0	19.20	2.85	138.0
ARITH MEAN		0.30			50.5	0.087		0.5<A	17.06	2.38	124.5
GEOM MEAN					49.6	0.075		0.4<A	16.79	2.37	123.5
MINIMUM		0.30			34.6	0.022		0.1	11.60	2.05	97.2
STD DEV (GEOM *)					9.3	0.044		0.3<A	3.05	0.28	16.1
# SAMP IN STATISTICS		8			8	6		8	8	8	8
% SAMP (EXCLUDED)											

*=INTERIM TEST-NAME:		CRUT	CUUT	DO	DOC	FEUT	FWSTRC	FWTEMP	HGUT	IONCAL	KKUR
					CARBON						
SAMPLE DATE YYMMDD	HOUR LMT	CHROMIUM UNF.TOT. MG/L AS CR	COPPER UNF.TOT. MG/L AS CU	DISOLVED OXYGEN MG/L AS O	DISOLVED ORGANIC MG/L AS C	IRON UNF.TOT. MG/L AS FE	STREAM COND.	WATER TEMP DEG.C	MERCURY UNF.TOT. UG/L AS HG	ION BALANCE CALC.	POTASSIM UNF.REAC MG/L AS K
870302	1150	16551	0.001<	0.001<W	12.80	6.0	0.120	8	0.5	0.04	0.910
870331	1120	16564	0.001	0.003	12.80	4.7	0.190	8	1.0	NO DATA SS	0.950
870609	0950	16577	NO DATA SM	NO DATA SM	9.60	6.5	NO DATA SM	8	16.0	0.11	0.990
870818	0930	16590	0.001	0.002	7.00	5.0	0.080	8	23.0	NO DATA SS	0.950
870831	1500	16603	NO DATA NR	NO DATA NR	9.30	5.2	NO DATA NR	8	20.0	0.06	0.940
871027	0845	16616	0.001	0.001<	10.30	4.9	0.120	8		NO DATA SS	1.000
871117		16629	0.001<	0.001<	11.40	4.7	0.093	8	7.0	0.02	1.010
871215	1110	16642	0.001<	0.001<	13.80	4.9	0.110		2.0	0.01<	0.950
MAXIMUM		0.001	0.003	13.80	6.5	0.190		23.0	0.11	6.277	1.010
ARITH MEAN		0.001	0.002<A	10.87	5.2	0.119		9.9	0.06	3.842	0.962
GEOM MEAN				10.65	5.2	0.114		4.7		2.745	0.962
MINIMUM		0.001	0.001	7.00	4.7	0.080		0.5	0.02	0.4380	0.910
STD DEV (GEOM *)				2.26	0.7	0.038		9.6		2.472	0.034
# SAMP IN STATISTICS		3	3	8	8	6		7	4	5	8
% SAMP (EXCLUDED)		50	50						20		

( C O N T D )

B.O.W./ SITE: MADAWASKA RIVER  
 SAMPLE POINT: AT HIGHWAY NO.17 ARNPRIOR  
 STATION TYPE: RIVER

STATION ID: 18-3490-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: MADAWASKA RIVER

STORET CODE: 02  
 006  
 2710

LAT: 45 26 02.92 LONG: 076 21 02.44 U T M: 18 0394350.0 5031850.0 4 REGION: 04 DISTANCE: 1.127

*=INTERIM TEST-NAME:		MGUR	MNUT	NAUR	NIUT	NNHTFR NH3-N TOTAL	NNOTFR	NNO2FR	NNTKUR K'DAHL N TOTAL	PBUT	PH	
		MAGNESIM FIL.REAC MG/L AS MG	MANGANSE UNF.TOT. MG/L AS MN	SODIUM UNF.REAC MG/L AS NA	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	NO2+NO3N FIL.REAC MG/L AS N	NO2-N FIL.REAC MG/L AS N	UNF.REAC MG/L AS N	LEAD UNF.TOT. MG/L AS PB	PH	
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER										
YYMMDD	LMT	NUMBER										
870302	1150	16551	2.500	0.011	2.45	0.002<	0.010	0.150	0.0095	0.370	0.003<	7.60
870331	1120	16564	2.440	0.014	2.34	0.002<	0.012	0.205	0.0055	0.190	0.003<	7.92
870609	0950	16577	3.360	NO DATA SM	2.04	NO DATA SM	0.020	0.065<T	0.0295	0.250	NO DATA SM	7.98
870818	0930	16590	3.340	0.040	1.96	0.001<	0.064	0.035<T	0.0040<T	0.360	0.003<	8.03
870831	1500	16603	3.500	NO DATA NR	2.06	NO DATA NR	0.050	0.030<T	0.0035<T	0.370	NO DATA NR	8.02
871027	0845	16616	3.500	0.015	2.28	0.001<	0.028	0.035<T	0.0035<T	0.330	0.003<	8.00
871117		16629	3.420	0.013	2.24	0.001<	0.008<T	0.020<W	0.0010<T	0.280	0.003<	8.02
871215	1110	16642	3.220	0.013	2.46	0.001<	0.018	0.035<T	0.0015<T	0.290	0.003<	8.05
MAXIMUM		3.500	0.040	2.46		0.064	0.205	0.0295	0.370		8.05	
ARITH MEAN		3.160	0.018	2.23		0.026<A	0.072<A	0.0072<A	0.305		7.95	
GEOM MEAN		3.131	0.016	2.22		0.020<A	0.052<A	0.0043<A	0.298		7.95	
MINIMUM		2.440	0.011	1.96		0.008	0.020	0.0010	0.190		7.60	
STD DEV (GEOM *)		0.436	0.011	0.19		0.020<A	0.068<A	0.0094<A	0.065		0.15	
# SAMP IN STATISTICS		8	6	8		8	8	8	8		8	
% SAMP (EXCLUDED)												

*=INTERIM TEST-NAME:		PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	SEUT SELENIUM UNF.TOT. MG/L AS SE	SSO4UR SULPHATE UNF.REAC MG/L AS SO4	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN
SAMPLE DATE	HOUR LMT	SAMPLE NUMBER					
YYMMDD	LMT	NUMBER					
870302	1150	16551		0.005<T	0.001<	8.79	0.90
870331	1120	16564		0.016	0.001<	8.80	4.30
870609	0950	16577		0.011	NO DATA SM	8.30	3.70
870818	0930	16590	0.2<W	0.045	0.001<	8.50	1.78
870831	1500	16603	0.2<W	0.056	NO DATA NR	10.30	2.80
871027	0845	16616		0.025	0.001<	9.00	3.70
871117		16629	0.2<T	0.020	0.001<	9.00	3.10
871215	1110	16642	0.4<T	0.022	0.001<	7.00	1.60
MAXIMUM		0.4	0.056		10.30	4.30	0.041
ARITH MEAN		0.2<A	0.025<A		8.71	2.73	0.011
GEOM MEAN		0.2<A	0.020<A		8.67	2.45	
MINIMUM		0.2	0.005		7.00	0.90	0.001
STD DEV (GEOM *)		0.1<A	0.017<A		0.91	1.20	
# SAMP IN STATISTICS		4	8		8	8	5
% SAMP (EXCLUDED)							16

B.O.W./ SITE: BONNECHERE RIVER  
 SAMPLE POINT: COUNTY ROAD 3 2 MILES EAST OF CASTLEFORD  
 STATION TYPE: RIVER FLOW GAUGE FED 02KC009

STATION ID: 18-3690-010-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: BONNECHERE RIVER

STORET CODE: 02  
 006  
 2905

LAT: 45 30 52.41 LONG: 076 33 24.49 U T M: 18 0378400.0 5041075.0 4 REGION: 04 DISTANCE: 0.805

*=INTERIM TEST-NAME:		FWSADP	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CDUT	CLIDUR	COND25
				ALK	ALUMINUM	ARSENIC	BOD	CALCIUM	CADMIUM	CHLORIDE	CONDUCT.
SAMPLE	DATE	SAMPLE	SAMPLE	TOTAL	UNF.TOT.	UNF.TOT.	5 DAY	UNF.REAC	UNF.TOT.	UNF.REAC	25C
YYMMDD	HOUR	NUMBER	DEPTH	MG/L	MG/L	MG/L	TOT.DEM.	MG/L	MG/L	MG/L	UMHO/CM
	LMT		M	AS MG/L	AS AL	AS AS	MG/L	AS CA	AS CD	AS CL-	AT 25 C
870429	1000	25414	0.30	63.3	0.240	0.001<	1.1	19.70	0.0006	4.20	159.0
870526	0900	25416	0.30	116.0	0.130	0.001<	NO DATA SD	34.30	0.0003<	8.95	263.0
870629	0800	25418	0.30	NO DATA BT	0.200	0.001<	NO DATA SD	NO DATA RE	0.0003<	NO DATA BT	NO DATA BT
870728	1000	25420	0.30	71.3	NO DATA BT	0.001<	0.9	21.60	NO DATA BT	6.35	177.0
870825	1000	25422	0.30	57.0	0.230	0.001<	0.3<T	17.10	0.0003<	4.40	145.0
870928	1000	25424	0.30	65.4	0.140	0.001<	0.8<T	19.70	0.0003<	6.55	174.0
871201	1100	25429	0.30	79.8	0.230	0.001<	2.0	25.50	0.0003<	11.40	223.0
MAXIMUM		0.30		116.0	0.240		2.0	34.30	0.0006	11.40	263.0
ARITH MEAN		0.30		75.5	0.195		1.0<A	22.98	0.0006	6.97	190.2
GEOM MEAN				73.4	0.189		0.9<A	22.37		6.54	186.2
MINIMUM		0.30		57.0	0.130		0.3	17.10	0.0006	4.20	145.0
STD DEV (GEOM *)				21.3	0.048		0.6<A	6.20		2.77	44.3
# SAMP IN STATISTICS		7		6	6		5	6	1	6	6
% SAMP (EXCLUDED)									83		

*=INTERIM TEST-NAME:		CRUT	CUUT	DO	DOC	FCMF	FEUT	FSMF	FWFLOW	FWSTRC	FWTEMP
		CHROMIUM	COPPER	DISOLVED	DISOLVED	FECAL	IRON	FECAL	STREAM		WATER
SAMPLE	DATE	UNF.TOT.	UNF.TOT.	OXYGEN	CARBON	COLIFORM	UNF.TOT.	STREPCUS	FLOW		TEMP
YYMMDD	HOUR	MG/L	MG/L	MG/L	MG/L	MF	MG/L	MF	M3	COND.	DEG.C
	LMT	AS CR	AS CU	AS O	AS C	CNT	AS FE	CNT	/S		
						/100ML		/100ML			
870429	1000	25414	0.001<	0.001<W	6.2		0.270		48.200		13.0
870526	0900	25416	0.001<	0.003	8.00	172	0.210	10	6.780	8	16.0
870629	0800	25418	0.001<	0.180	8.10	NO DATA BT	0.220		7.960	8	24.0
870728	1000	25420	NO DATA BT	NO DATA BT	8.10		NO DATA BT		6.470	8	26.0
870825	1000	25422	0.002	0.002	10.00		0.240		3.630	8	23.0
870928	1000	25424	0.001	0.001	9.00		0.150		3.770	8	
871201	1100	25429	0.002	0.001	10.00	7900	0.270	460	9.520	8	2.0
MAXIMUM		0.002	0.180	10.00	6.8	7900	0.270	460	48.200		26.0
ARITH MEAN		0.002	0.031<A	8.87	5.9	4036	0.227	235	12.333		17.3
GEOM MEAN			0.003<A	8.83	5.9	1166	0.222	68	8.051		13.5
MINIMUM		0.001	0.001	8.00	5.2	172	0.150	10	3.630		2.0
STD DEV (GEOM *)			0.073<A	0.95	0.6	15*	0.045	15*	15.957		9.0
# SAMP IN STATISTICS		3	6	6	6	2	6	2	7		6
% SAMP (EXCLUDED)		50									

( C O N T D )

## 181

STATION ID: 18-3690-010-02

STORET CODE: 02  
006  
2905

**DISTANCE: 0.805**

*INTERIM		TEST-NAME:		NNTKUR	PBUT	PH	PHNOL	PPUT	PSAMF	SEUT	SSO4UR	TURB	ZNUT
				K'DAHL N					PSEUDOMN				
				TOTAL	LEAD		PHENOLS	PHOSPHOR	AERUG.	SELENIUM	SULPHATE		ZINC
				UNF.REAC	UNF.TOT.		UNF-REAC	UNF.TOT.	MF	UNF.TOT.	UNF.REAC		UNF.TOT.
SAMPLE		SAMPLE	MG/L	MG/L			UG/L	MG/L	CNT	MG/L	MG/L	TURB'ITY	MG/L
DATE	HOUR		AS N	AS PB	PH	PHENOL		AS P	/100ML	AS SE	AS SO4	FTU	AS ZN
YYMMDD	LMT	NUMBER											
870429	1000	25414	0.340	0.089	8.11			0.026		0.001<	10.50	7.70	0.030
870526	0900	25416	0.530	0.064	8.32			0.058		0.001<	11.60	4.30	0.013
870629	0800	25418	NO DATA LA	0.007	NO DATA BT			NO DATA LA		0.001<	NO DATA BT	NO DATA BT	0.013
870728	1000	25420	0.470	NO DATA BT	8.24			0.036		0.001<	7.90	5.80	NO DATA BT
870825	1000	25422	0.350	0.028	8.24	1.0		0.031		0.001<	9.40	4.90	0.006
870928	1000	25424	0.410	0.035	8.15	0.2<T		0.021		0.001<	11.00	3.50	0.005
871201	1100	25429	0.480	0.083	8.03			0.059	NO DATA AW	0.001<	14.60	4.20	0.007

MAXIMUM	0.530	0.089	8.32	1.0	0.059	14.60	7.70	0.030
ARITH MEAN	0.430	0.051	8.18	0.6<A	0.038	10.83	5.07	0.012
GEOM MEAN	0.424	0.038	8.18	0.4<A	0.036	10.64	4.90	0.010
MINIMUM	0.340	0.007	8.03	0.2	0.021	7.90	3.50	0.005
STD DEV (GEOM *)	0.076	0.033	0.10	0.6<A	0.016	2.26	1.50	0.009
# SAMP IN STATISTICS	6	6	6	2	6	6	6	6
% SAMP (EXCLUDED)								

B.O.W./ SITE: PETAWAWA RIVER  
 SAMPLE POINT: HIGHWAY 17 BRIDGE PETAWAWA  
 STATION TYPE: RIVER FLOW GAUGE FED 02KB001

STATION ID: 18-4930-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: PETAWAWA RIVER

STORET CODE: 02  
 006  
 4350

LAT: 45 54 12.65 LONG: 077 17 08.60 U T M: 18 0322700.0 5085650.0 4 REGION: 04 DISTANCE: 2.897

*=INTERIM TEST-NAME:		FWSADP	FWDPTS	FGPROJ	ALKT	ALUT	ASUT	BOD5	CAUR	CDUT	CLIDUR
					ALK	ALUMINUM	ARSENIC	BOD	CALCIUM	CADMIUM	CHLORIDE
SAMPLE		SAMPLE	WATER	PROJECT	TOTAL	UNF.TOT.	UNF.TOT.	5 DAY	UNF.REAC	UNF.TOT.	UNF.REAC
DATE	HR	DEPTH	DEPTH	SUB-PROJ	MG/L	MG/L	MG/L	TOT.DEM.	MG/L	MG/L	MG/L
YYMMDD	LMT	NUMBER	M	CODE	AS CAC03	AS AL	AS AS	AS O	AS CA	AS CD	AS CL-
870616		25401	0.30	0101	12.3	0.062	0.001<	1.0<T	4.40	0.0750	0.70
870707	1300	25401	0.30	0101	13.3	0.019	0.001<	0.4<T	4.90	0.0003<	0.85
870811	1300	25401	0.30	0101	14.7	0.015	0.001<	0.7<T	4.60	0.0003<	1.05
871006	1800	25401	0.30	0101	15.2	NO DATA IS	0.001<	0.2<W	4.70	NO DATA IS	1.05
871110	1100	25401	0.30	0101	14.1	0.028	0.001<	0.7<T	5.20	0.0003<	0.90<T
MAXIMUM		0.30	3.00		15.2	0.062		1.0	5.20	0.0750	1.05
ARITH MEAN		0.30	3.00		13.9	0.031		0.6<A	4.76	0.0750	0.91<A
GEOM MEAN					13.9	0.027		0.5<A	4.75		0.90<A
MINIMUM		0.30	3.00		12.3	0.015		0.2	4.40	0.0750	0.70
STD DEV (GEOM *)					1.1	0.021		0.3<A	0.30		0.15<A
# SAMP IN STATISTICS		5	2		5	4		5	5	1	5
% SAMP (EXCLUDED)										75	

*=INTERIM TEST-NAME:		COND25	CRUT	CUUT	DO	DOC	FEUT	FWFLOW	FWSTRC	FWTEMP	HGUT
		CONDUCT.	CHROMIUM	COPPER	DISOLVED	DISOLVED	IRON	STREAM		WATER	MERCURY
SAMPLE		25C	UNF.TOT.	UNF.TOT.	OXYGEN	CARBON	UNF.TOT.	FLOW		TEMP	UNF.TOT.
DATE	HR	UMHO/CM	MG/L	MG/L	MG/L	ORGANIC	MG/L	M3	STREAM	DEG.C	UG/L
YYMMDD	LMT	AT 25 C	AS CR	AS CU	AS O	AS C	AS FE	/S	COND.		AS HG
870616		25401	48.1	0.001<	0.005		0.200	52.700	8		0.01
870707	1300	25401	50.0	0.001<	0.001	8.20	0.130	21.600	8	23.0	0.02
870811	1300	25401	51.6	0.008	0.006	7.60	0.360	7.480	8	22.0	0.04
871006	1800	25401	54.7	NO DATA IS	NO DATA IS	12.30	4.2	6.250	8	5.4	0.01
871110	1100	25401	52.6	0.001<	0.001	12.00	0.100	23.700	8		0.02
MAXIMUM		54.7	0.008	0.006	12.30	5.6	0.360	52.700		23.0	0.04
ARITH MEAN		51.4	0.008	0.003	10.02	4.9	0.197	22.346		16.8	0.02
GEOM MEAN		51.4		0.002	9.79	4.9	0.175	16.602		14.0	0.02
MINIMUM		48.1	0.008	0.001	7.60	4.2	0.100	6.250		5.4	0.01
STD DEV (GEOM *)		2.5		0.003	2.47	0.6	0.116	18.734		9.9	0.01
# SAMP IN STATISTICS		5	1	4	4	5	4	5		3	5
% SAMP (EXCLUDED)			75								

( C O N T D )

B.O.W./ SITE: PETAWAWA RIVER  
 SAMPLE POINT: HIGHWAY 17 BRIDGE PETAWAWA  
 STATION TYPE: RIVER FLOW GAUGE FED 02KB001

STATION ID: 18-4930-020-02

MAJOR BASIN: GREAT LAKES  
 MINOR BASIN: OTTAWA RIVER  
 TERM STREAM: PETAWAWA RIVER

STORET CODE: 02  
 006  
 4350

LAT: 45 54 12.65 LONG: 077 17 08.60

U T M: 18 0322700.0 5085650.0 4

REGION: 04

DISTANCE: 2.897

*=INTERIM TEST-NAME:		IONCAL	KKUR	MGUR	MNUT	NAUR	NIUT	NNHTFR NH3-N TOTAL	NNOTFR NO2+NO3N FIL.REAC	NNO2FR NO2-N FIL.REAC	NNTKUR K'DAHL N TOTAL	
SAMPLE DATE YYMMDD	HOUR LMT	SAMPLE NUMBER	ION BALANCE CALC.	POTASSIM UNF.REAC MG/L AS K	MAGNESIM FIL.REAC MG/L AS MG	MANGANSE UNF.TOT. MG/L AS MN	SODIUM UNF.REAC MG/L AS NA	NICKEL UNF.TOT. MG/L AS NI	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	FIL.REAC MG/L AS N	UNF.REAC MG/L AS N
870616		25401	PORTED	0.650	1.440	0.021	1.50	0.002<	0.018	0.060<T	0.0045<T	0.210
870707	1300	25401	10.18	0.650	1.480	0.016	1.62	0.003	0.014	0.040<T	0.0020<T	0.250
870811	1300	25401	0.2434	0.720	1.580	0.021	2.02	0.002<	0.032	0.025<T	0.0045<T	0.240
871006	1800	25401	9.021	0.740	1.520	NO DATA IS	2.02	NO DATA IS	0.002<T	0.030<T	0.0010<T	0.230
871110	1100	25401	2.162	0.740	1.440	0.010	1.82	0.001<	0.090	0.035	0.0055	0.230
MAXIMUM		10.18	0.740	1.580	0.021	2.02	0.003	0.090	0.060	0.0055	0.250	
ARITH MEAN		5.40	0.700	1.492	0.017	1.80	0.003	0.031<A	0.038<A	0.0035<A	0.232	
GEOM MEAN		2.64	0.699	1.491	0.016	1.78		0.017<A	0.036<A	0.0029<A	0.232	
MINIMUM		0.2434	0.650	1.440	0.010	1.50	0.003	0.002	0.025	0.0010	0.210	
STD DEV (GEOM *)		4.93	0.046	0.059	0.005	0.23		0.035<A	0.014<A	0.0019<A	0.015	
# SAMP IN STATISTICS		4	5	5	4	5	1	5	5	5	5	
% SAMP (EXCLUDED)							75					

*=INTERIM TEST-NAME:		PBUT LEAD UNF.TOT. MG/L AS PB	PH	PHNOL PHENOLS UNF-REAC UG/L PHENOL	PPUT PHOSPHOR UNF.TOT. MG/L AS P	SEUT SELENIUM UNF.TOT. MG/L AS SE	SSO4UR SULPHATE UNF.REAC MG/L AS SO4	TURB TURB'ITY FTU	ZNUT ZINC UNF.TOT. MG/L AS ZN	
870616		25401	0.003<	7.42		0.011	0.001<	7.80	0.97	0.015
870707	1300	25401	0.003<	7.48		0.010	0.001<	9.98	0.82	0.003
870811	1300	25401	0.006	7.68		0.012	0.001<	6.90	1.41	0.001<W
871006	1800	25401	NO DATA IS	7.56	0.2<W	0.042	0.001<	8.30	0.48	NO DATA IS
871110	1100	25401	0.003<	7.45	0.4<T	0.062	0.001<	7.80	1.21	0.002
MAXIMUM		0.006	7.68	0.4	0.062		9.98	1.41	0.015	
ARITH MEAN		0.006	7.52	0.3<A	0.027		8.16	0.98	0.005<A	
GEOM MEAN			7.52	0.3<A	0.020		8.10	0.92	0.003<A	
MINIMUM		0.006	7.42	0.2	0.010		6.90	0.48	0.001	
STD DEV (GEOM *)			0.10	0.1<A	0.024		1.14	0.36	0.007<A	
# SAMP IN STATISTICS		1	5	2	5		5	5	4	
% SAMP (EXCLUDED)		75								

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. INDEX	PAGE NO.
BAY OF QUINTE(PICTON	MARSH CREEK	AT BRIDGE STREET, PICTON	0.000	17-0008-002-02	4 B-01	53
BLACK RIVER	BLACK RIVER	AT COUNTY ROAD 17	7.725	06-0172-001-02	2 E-01	9
BLOOMFIELD CREEK	BLOOMFIELD CREEK	AT CHURCH STREET BLOOMFIELD	5.954	06-0163-001-02	2 D-01	7
BONNECHERE RIVER	BONNECHERE RIVER	COUNTY ROAD 3 2 MILES EAST OF CASTLEFORD	0.805	18-3690-010-02	5 H-03	180
BUTLERS CREEK	BUTLERS CREEK	HIGHWAY 2, BROCKVILLE	0.483	12-0034-001-02	3 I-01	31
CARP RIVER	CARP RIVER	FIRST ROAD BRIDGE DNSTR OF CARP	21.440	18-3370-101-02	5 I-02	156
	CARP RIVER	FIRST ROAD BRIDGE DNSTR OF KINBURN	8.320	18-3370-121-02	5 J-02	158
CATARAQUI RIVER	CATARAQUI RIVER	HIGHWAY 2, KINGSTON (CENTRE)	0.805	12-0004-001-02	3 C-01	19
	CATARAQUI RIVER	AT DAM, KINGSTON MILLS	8.207	12-0004-002-02	3 D-01	21
CONSECON CREEK	CONSECON CREEK	AT MILL DAM CONSECON	0.322	06-0157-001-02	2 A-01	1
	CONSECON CREEK	AT COUNTY ROAD 2 ALLISONVILLE	14.001	06-0157-002-02	2 B-01	3
	CONSECON CREEK	AT HIGHWAY 14	22.852	06-0157-003-02	2 C-01	5
DELISLE RIVER	DELISLE RIVER	AT CNR TRESTLE DNSTR.OF ALEXANDRIA	44.578	12-0086-001-02	3 B-02	43
	DELISLE RIVER	AT FIRST BRIDGE UPSTR.OF ALEXANDRIA	46.509	12-0086-002-02	3 C-02	45
	GARRY RIVER	AT CNR TRESTLE ALEXANDRIA	48.279	12-0086-003-02	3 D-02	47
	GARRY RIVER	AT FIRST BRIDGE UPSTR.OF ALEXANDRIA	50.049	12-0086-004-02	3 E-02	49
DEMORESTVILLE CREEK	DEMORESTVILLE CREEK	AT COUNTY ROAD 14	4.828	17-0014-001-02	4 C-01	55
GANANOQUE RIVER	GANANOQUE RIVER	AT RR TRESTLE CANADIAN STEEL GANANOQUE	0.966	12-0017-001-02	3 E-01	23
	GANANOQUE RIVER	HIGHWAY 32, 2 MILES NORTH OF HIGHWAY 401	6.115	12-0017-004-02	3 F-01	25
GRANTS CREEK	GRANTS CREEK TRIBUTARY -	LYN ROAD DNSTR.CITY OF BROCKVILLE LANDFILL SITE	3.520	12-0033-001-02	3 H-01	29
LITTLE CATARAQUI CRE	LITTLE CATARAQUI CREEK	HIGHWAY 2, 1 MILE SOUTHEAST OF CATARAQUI	4.345	12-0002-004-02	3 A-01	15
	LITTLE CATARAQUI CREEK	AT RESERVOIR OUTLET DAM	8.207	12-0002-008-02	3 B-01	17
LYN CREEK	LYN CREEK	HWY. 2	0.000	12-0031-001-02	3 G-01	27

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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. INDEX	PAGE NO.
MADAWASKA RIVER	MADAWASKA RIVER	AT HIGHWAY NO.17 ARNPRIOR	1.127	18-3490-020-02	5 G-03	178
MILLHAVEN CREEK	MILLHAVEN CREEK	FIRST CONCESSION ROAD SOUTH OF ODESSA	6.437	06-0180-004-02	2 F-01	11
	MILLHAVEN CREEK	AT COUNTY ROAD 6	10.782	06-0180-005-02	2 G-01	13
MISSISSIPPI RIVER	BENNETT LAKE OUTLET	AT OUTLET DAM NEAR FALLBROOK	88.351	18-3430-610-02	5 F-03	176
	CLYDE RIVER	BELOW LANARK	86.902	18-3430-520-02	5 D-03	172
	CLYDE RIVER	ABOVE LANARK	90.121	18-3430-530-02	5 E-03	174
	MISSISSIPPI RIVER	AT RAILWAY BRIDGE NORTH GALETTA	3.701	18-3430-030-02	5 K-02	160
	MISSISSIPPI RIVER	AT DAM BELOW PAKENHAM	14.966	18-3430-034-02	5 L-02	162
	MISSISSIPPI RIVER	DOWNSTREAM OF ALMONTE	28.485	18-3430-040-02	5 M-02	164
	MISSISSIPPI RIVER	BRIDGE AT APPLETON APPROX. 4.5KM DNSTR CARLETON PLACE STP	49.882	18-3430-061-02	5 A-03	166
	MISSISSIPPI RIVER	AT DALHOUSIE LAKE OUTLET	102.995	18-3430-175-02	5 B-03	168
	MISSISSIPPI RIVER	AT MAZINAW LAKE OUTLET	169.298	18-3430-230-02	5 C-03	170
MOIRA RIVER	BLACK RIVER	HIGHWAY 7 2 MILES EAST OF ACTINOLITE	62.763	17-0026-010-02	4 I-02	93
	CLARE RIVER	1ST.BRIDGE UPSTR.OF STOCO LAKE TWEED	52.785	17-0026-007-02	4 F-02	87
	DEER CREEK	SEYMOUR ST., MADOC	74.832	17-0026-012-02	4 K-02	96
	MOIRA RIVER	FOOTBRIDGE NORTH OF HIGHWAY 2 BELLEVILLE	1.127	17-0026-001-02	4 A-02	79
	MOIRA RIVER	BRIDGE IN CANNIFTON	6.276	17-0026-002-02	4 B-02	81
	MOIRA RIVER	AT STOCO LAKE OUTLET	43.773	17-0026-003-02	4 C-02	84
	MOIRA RIVER	STOCO BRIDGE HUNGERFORD TOWNSHIP	47.796	17-0026-004-02	4 D-02	85
	MOIRA RIVER	JAMESON STREET TWEED	50.210	17-0026-006-02	4 E-02	86
	MOIRA RIVER	HWY 62 BRIDGE	71.453	17-0026-011-01	4 J-02	94
	MOIRA RIVER	HWY 7	92.696	17-0026-013-02	4 L-02	97
	MOIRA RIVER	BRIDGE AT MALONE	100.742	17-0026-019-02	4 M-02	98



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RIVER BASIN	STREAM	SAMPLE POINT DESCRIPTION	DISTANCE	LOCATION CODE	C.O.M. INDEX	PAGE NO.
MOIRA RIVER	SKOOTAMOTTA RIVER	HIGHWAY 7 NEAR ACTINOLITE	60.671	17-0026-009-02	4 H-02	90
	SULPHIDE CREEK	UPSTREAM FROM STOCO LAKE HUNGERFORD TWP	52.785	17-0026-008-02	4 G-02	89
NAPANEE RIVER	NAPANEE RIVER	DNSTR. FROM NAPANEE, RIVER ROAD	5.633	17-0035-001-02	4 B-03	101
	NAPANEE RIVER	MINK BRIDGE UPSTREAM FROM HIGHWAY 401	14.806	17-0035-002-02	4 C-03	103
	NAPANEE RIVER	AT BRIDGE IN TOWN OF NEWBURGH	22.530	17-0035-004-02	4 D-03	105
OTTAWA RIVER	OTTAWA RIVER	CHANNEL 1 AND 2 HAWKESBURY	109.432	18-0000-051-82	5 A-01	116
	OTTAWA RIVER	PERLEY BRIDGE, HAWKESBURY MAIN CHANNEL	109.432	18-0000-078-83	5 B-01	118
	OTTAWA RIVER	AT CHATS FALLS 900' FROM P/Q SHORE	263.281	18-0000-170-02	5 C-01	120
	OTTAWA RIVER	AT CHENAUX DAM 800' FROM P/Q SHORE	303.514	18-0000-240-02	5 D-01	122
PETAWAWA RIVER	PETAWAWA RIVER	HIGHWAY 17 BRIDGE PETAWAWA	2.897	18-4930-020-02	5 I-03	182
PICTON CREEK	PICTON CREEK	AT CONSERVATION AREA POUND	1.287	17-0008-001-02	4 A-01	51
RAISIN RIVER	NORTH RAISIN RIVER	AT FIRST UPSTREAM OF MARTINTOWN	25.266	12-0073-011-02	3 M-01	39
	RAISIN RIVER	1ST.BEND DOWNSTREAM FROM WILLIAMSTOWN	9.495	12-0073-003-02	3 J-01	33
	RAISIN RIVER	1ST.BRIDGE DOWNSTREAM FROM ST.ANDREWS	32.669	12-0073-008-02	3 K-01	35
	RAISIN RIVER	AT COUNTY ROAD NO 18 EAST OF LUNENBURG	56.004	12-0073-010-02	3 L-01	37
	SOUTH RAISIN RIVER	AT CO.RD.NO.20 SOUTH OF CASHIONGLEN	17.863	12-0073-015-02	3 A-02	41
RIDEAU RIVER	JOCK RIVER	AT MOODIE DRIVE BRIDGE	33.313	18-0033-036-02	5 M-01	140
	KEMPTVILLE CREEK	HIGHWAY 43, KEMPTVILLE	56.165	18-0033-003-02	5 E-01	124
	RIDEAU RIVER	AT DAM IN KILMARNOCK	88.190	18-0033-026-02	5 H-01	130
	RIDEAU RIVER	AT BRIDGE DOWNSTREAM OF KARS	38.945	18-0033-029-02	5 I-01	132
	RIDEAU RIVER	AT HOG'S BACK ROAD OTTAWA	11.426	18-0033-031-02	5 J-01	134
	RIDEAU RIVER	ST. PATRICK STREET BRIDGE OTTAWA	1.609	18-0033-034-02	5 K-01	136
	RIDEAU RIVER	AT NICOLSON'S LOCK ANDREWSVILLE	73.545	18-0033-035-02	5 L-01	138
	RIDEAU RIVER	AT LONG ISLAND GAUGING STATION	25.910	18-0033-037-02	5 A-02	142

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RIDEAU RIVER	TAY RIVER	1 MILE DOWNSTREAM FROM PERTH LAGOONS	114.099	18-0033-008-02	5 F-01	126
	TAY RIVER	AT DAM IN BOLINGBROKE	151.596	18-0033-023-02	5 G-01	128
SALMON RIVER	SALMON RIVER	DUNDAS ST., SHANNONVILLE	2.897	17-0031-001-02	4 A-03	99
SAWGUIN CREEK	SAWGUIN CREEK	AT COUNTY ROAD 28	8.851	17-0016-001-02	4 D-01	57
SOUTH NATION RIVER	CASTOR RIVER	AT CONC RD.NO.5 RUSSELL TWP.	82.396	18-2070-140-02	5 G-02	153
	CASTOR RIVER	AT CONC.RD.NO.3 RUSSELL TWP.	85.615	18-2070-145-02	5 H-02	154
	SCOTCH RIVER EAST	AT CONC.17 DOWNSTREAM FROM ST.ISIDORE	48.601	18-2070-040-02	5 C-02	145
	SCOTCH RIVER EAST	AT CONC.19 UPSTREAM FROM ST.ISIDORE	51.015	18-2070-060-02	5 D-02	147
	SOUTH NATION RIVER	HIGHWAY 17 PLANTAGENET	10.300	18-2070-020-02	5 B-02	143
	SOUTH NATION RIVER	AT DAM DOWNSTREAM OF CASSELMAN	62.763	18-2070-100-02	5 E-02	149
	SOUTH NATION RIVER	AT DAM CHESTERVILLE	93.339	18-2070-110-02	5 F-02	151
TRENT RIVER	BENTLEY CREEK	DNSTR. OF MADAWASKA MINE TAILINGS 70 1	188.288	17-0021-063-02	4 I-01	66
	BENTLEY CREEK	UPSTR.OF MADAWASKA MINE TAILINGS 70 2	189.576	17-0021-064-02	4 J-01	67
	BOW LAKE OUTLET	AT HWY.28 SOUTH-WEST OF BANCROFT 71 3	185.391	17-0021-062-02	4 H-01	65
	COLD CREEK.	HIGHWAY 33 BRIDGE IN FRANKFORD	12.070	17-0021-046-02	4 F-01	61
	CROWE RIVER	AT HWY.NO.28 PAUDASH LAKE OUTLET 76 1	172.034	17-0021-089-02	4 L-01	75
	RAWDON CREEK	AT HWY.NO.33 SOUTH OF STIRLING	24.783	17-0021-047-02	4 G-01	63
	TRENT RIVER	HIGHWAY 401 BRIDGE NEAR TRENTON.	3.862	17-0021-045-02	4 E-01	59
	TRENT RIVER	NEW HIGHWAY 2 BRIDGE TRENTON	0.805	17-0021-068-83	4 K-01	68
	TRENT RIVER	AT GLEN ROSS BRIDGE	23.013	17-0021-118-02	4 M-01	77
WILTON CREEK	WILTON CREEK	AT CO.RD.NO.8,1MILE WEST OF CHAMBERS	3.219	17-0037-001-02	4 E-03	107
	WILTON CREEK	WEST OF HARROWSMITH WC-1	27.358	17-0037-002-02	4 F-03	108
	WILTON CREEK	HWY 2 AT MORVEN WC-2	8.851	17-0037-003-02	4 G-03	109
	WILTON CREEK	UPSTREAM OF LANDFILL IN VIOLET SLF-1	15.932	17-0037-004-02	4 H-03	110

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WILTON CREEK	WILTON CREEK	WEST OF STAR CORNERS	0.000	17-0037-007-02	4 I-03	111
	WILTON CREEK	AT DAM	0.000	17-0037-008-02	4 J-03	112
	WILTON CREEK	AT THORPE	0.000	17-0037-009-02	4 K-03	113
	WILTON CREEK	AT BRIDGE SOUTH OF THORPE	0.000	17-0037-010-02	4 L-03	114
	WILTON CREEK	WEST OF HWY 401	0.000	17-0037-011-02	4 M-03	115



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